LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
Data File : BM004052.D
Acq On : 15 Jan 2016 17:48
Operator : SJ/UM
Sample : H1100-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC992

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	3.652	92	96	102	rVB	25038	32426	3.14%	0.188%
2	6.846	633	639	651	rVB	109623	173924	16.84%	1.009%
3	6.998	660	665	675	rBB	92568	141270	13.68%	0.820%
4	7.198	693	699	707	rBB	121695	184793	17.89%	1.072%
5	7.663	773	778	785	rBB	143019	220731	21.37%	1.281%
6	8.375	894	899	909	rBB	100339	159813	15.47%	0.927%
7	8.822	969	975	984	rBB	121469	187098	18.12%	1.086%
8	9.539	1092	1097	1105	rBB	96121	155123	15.02%	0.900%
9	10.081	1183	1189	1200	rBB	151779	247851	24.00%	1.438%
10	10.451	1245	1252	1258	rBV	224933	367958	35.63%	2.135%
11	10.598	1270	1277	1290	rBV	103198	176896	17.13%	1.027%
12	13.733	1804	1810	1814	rVV	292230	408516	39.55%	2.371%
13	13.774	1814	1817	1824	rVB	131841	183375	17.76%	1.064%
14	14.010	1851	1857	1871	rBB	340684	523070	50.65%	3.036%
15	14.222	1888	1893	1897	rBB	18917	24220	2.35%	0.141%
16	14.322	1903	1910	1917	rBB2	332269	500658	48.48%	2.906%
17	14.539	1942	1947	1958	rBV	82367	139417	13.50%	0.809%
18	15.174	2051	2055	2061	rVB	33703	42350	4.10%	0.246%
19	15.316	2073	2079	2085	rBV	440054	644234	62.38%	3.739%
20	15.451	2098	2102	2107	rBV	66835	91306	8.84%	0.530%
21	15.580	2113	2124	2129	rBV5	14873	34658	3.36%	0.201%
22	16.039	2197	2202	2211	rBV2	44928	86700	8.39%	0.503%
23	16.380	2250	2260	2264	rBV5	14017	30236	2.93%	0.175%
24	16.427	2264	2268	2274	rVB5	12110	23023	2.23%	0.134%
25	16.827	2325	2336	2340	rVV3	23333	41529	4.02%	0.241%
26	16.886	2340	2346	2355	rVV2	15678	31481	3.05%	0.183%
27	17.074	2372	2378	2381	rBV	414414	591077	57.23%	3.430%
28	17.115	2381	2385	2389	rVV	227530	310171	30.03%	1.800%
29	17.168	2389	2394	2399	rVV2	490396	713535	69.09%	4.141%
30	17.204	2399	2400	2405	rVB	59115	51457	4.98%	0.299%
31	17.651	2469	2476	2486	rVB3	20508	34714	3.36%	0.201%
32	17.945	2521	2526	2531	rBV	78121	120174	11.64%	0.697%
33	17.998	2531	2535	2541	rVB	98971	140626	13.62%	0.816%
34	18.074	2543	2548	2553	rBV	26992	39166	3.79%	0.227%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
Data File : BM004052.D
Acq On : 15 Jan 2016 17:48
Operator : SJ/UM
Sample : H1100-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC992

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	18.139	2553	2559	2563	rVV2	108242	191131	18.51%	1.109%
36	18.180	2563	2566	2575	rVB	70865	97001	9.39%	0.563%
37	18.451	2607	2612	2616	rBV2	46748	61040	5.91%	0.354%
38	18.498	2616	2620	2630	rVB2	48688	77060	7.46%	0.447%
39	18.704	2651	2655	2659	rVV	30307	46055	4.46%	0.267%
40	18.751	2659	2663	2666	rVV	37677	47765	4.62%	0.277%
41	18.792	2666	2670	2674	rVB2	29279	36714	3.55%	0.213%
42	18.874	2678	2684	2689	rBV	101738	174441	16.89%	1.012%
43	18.933	2689	2694	2698	rVV3	45993	95457	9.24%	0.554%
44	18.968	2698	2700	2703	rVB	31246	30200	2.92%	0.175%
45	19.015	2703	2708	2715	rBV3	49424	102548	9.93%	0.595%
46	19.139	2721	2729	2736	rVB	516290	690037	66.81%	4.005%
47	19.204	2736	2740	2743	rBV	24155	32630	3.16%	0.189%
48	19.239	2743	2746	2751	rVB2	24488	33159	3.21%	0.192%
49	19.345	2758	2764	2768	rBV4	19437	36890	3.57%	0.214%
50	19.386	2768	2771	2774	rVV2	23448	26039	2.52%	0.151%
51	19.474	2781	2786	2789	rBV2	607665	930286	90.07%	5.399%
52	19.509	2789	2792	2800	rVB	539704	729924	70.67%	4.236%
53	19.580	2800	2804	2811	rVB2	52641	80824	7.83%	0.469%
54	19.680	2815	2821	2828	rBV3	18887	45780	4.43%	0.266%
55	19.745	2828	2832	2837	rVB2	34348	53754	5.20%	0.312%
56	19.833	2840	2847	2858	rBV6	66246	186363	18.04%	1.082%
57	19.968	2865	2870	2872	rBV3	50143	78278	7.58%	0.454%
58	20.003	2872	2876	2883	rVB2	107976	169550	16.42%	0.984%
59	20.103	2889	2893	2897	rBV	60272	76148	7.37%	0.442%
60	20.162	2897	2903	2908	rBV3	92222	129280	12.52%	0.750%
61	20.203	2908	2910	2914	rVB3	20756	24300	2.35%	0.141%
62	20.303	2923	2927	2931	rBV	81519	96703	9.36%	0.561%
63	20.351	2931	2935	2939	rVB	74093	90577	8.77%	0.526%
64	20.386	2939	2941	2948	rVB5	18805	27517	2.66%	0.160%
65	20.468	2951	2955	2959	rVB3	18050	26335	2.55%	0.153%
66	20.568	2967	2972	2975	rBV6	22492	41683	4.04%	0.242%
67	20.721	2993	2998	3000	rBV3	20233	32427	3.14%	0.188%
68	20.756	3000	3004	3011	rVB	64848	106652	10.33%	0.619%
69	20.845	3016	3019	3023	rVB	23703	30111	2.92%	0.175%
70	20.927	3025	3033	3036	rBV4	69954	146063	14.14%	0.848%
71	20.962	3036	3039	3041	rVV	57559	74456	7.21%	0.432%

LSC Area Percent Report

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Data File : BM004052.D
Acq On : 15 Jan 2016 17:48
Operator : SJ/UM
Sample : H1100-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC992

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	20.998	3041	3045	3050	rVV3	60480	138377	13.40%	0.803%
73	21.056	3051	3055	3060	rVB2	47545	79343	7.68%	0.460%
74	21.162	3066	3073	3081	rBV2	23219	62158	6.02%	0.361%
75	21.274	3085	3092	3096	rVV2	544096	1032797	100.00%	5.994%
76	21.315	3096	3099	3109	rVB	294593	389295	37.69%	2.259%
77	21.398	3109	3113	3116	rBV2	26972	37061	3.59%	0.215%
78	21.433	3116	3119	3125	rBV	44796	69804	6.76%	0.405%
79	21.592	3143	3146	3151	rVB3	25930	43752	4.24%	0.254%
80	21.639	3151	3154	3158	rBV2	23607	32236	3.12%	0.187%
81	21.774	3174	3177	3180	rVV	25033	34927	3.38%	0.203%
82	21.827	3180	3186	3190	rVV	98026	182578	17.68%	1.060%
83	21.880	3192	3195	3202	rVV	72895	139500	13.51%	0.810%
84	21.945	3203	3206	3209	rVV2	39087	62952	6.10%	0.365%
85	21.980	3210	3212	3216	rVV2	35413	51009	4.94%	0.296%
86	22.027	3216	3220	3223	rVV	63256	106552	10.32%	0.618%
87	22.056	3223	3225	3232	rVV5	48172	69465	6.73%	0.403%
88	22.121	3232	3236	3243	rVB3	36291	58779	5.69%	0.341%
89	22.597	3313	3317	3323	rVB4	23140	40496	3.92%	0.235%
90	22.850	3352	3360	3365	rBV	170156	413991	40.08%	2.403%
91	23.021	3384	3389	3393	rBV	36623	59819	5.79%	0.347%
92	23.327	3435	3441	3444	rBV	117707	207208	20.06%	1.203%
93	23.374	3444	3449	3454	rVV	351526	686392	66.46%	3.984%
94	23.421	3454	3457	3463	rVV	184627	302965	29.33%	1.758%
95	23.521	3467	3474	3479	rVV	265955	537797	52.07%	3.121%
96	23.568	3479	3482	3490	rVB3	54128	105111	10.18%	0.610%
97	24.386	3618	3621	3625	rVB2	15460	23036	2.23%	0.134%
98	24.762	3680	3685	3692	rVB3	15626	34085	3.30%	0.198%
99	25.768	3848	3856	3868	rVB	84854	247211	23.94%	1.435%
100	26.462	3964	3974	3983	rBV2	53234	173198	16.77%	1.005%

Sum of corrected areas: 17230648

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
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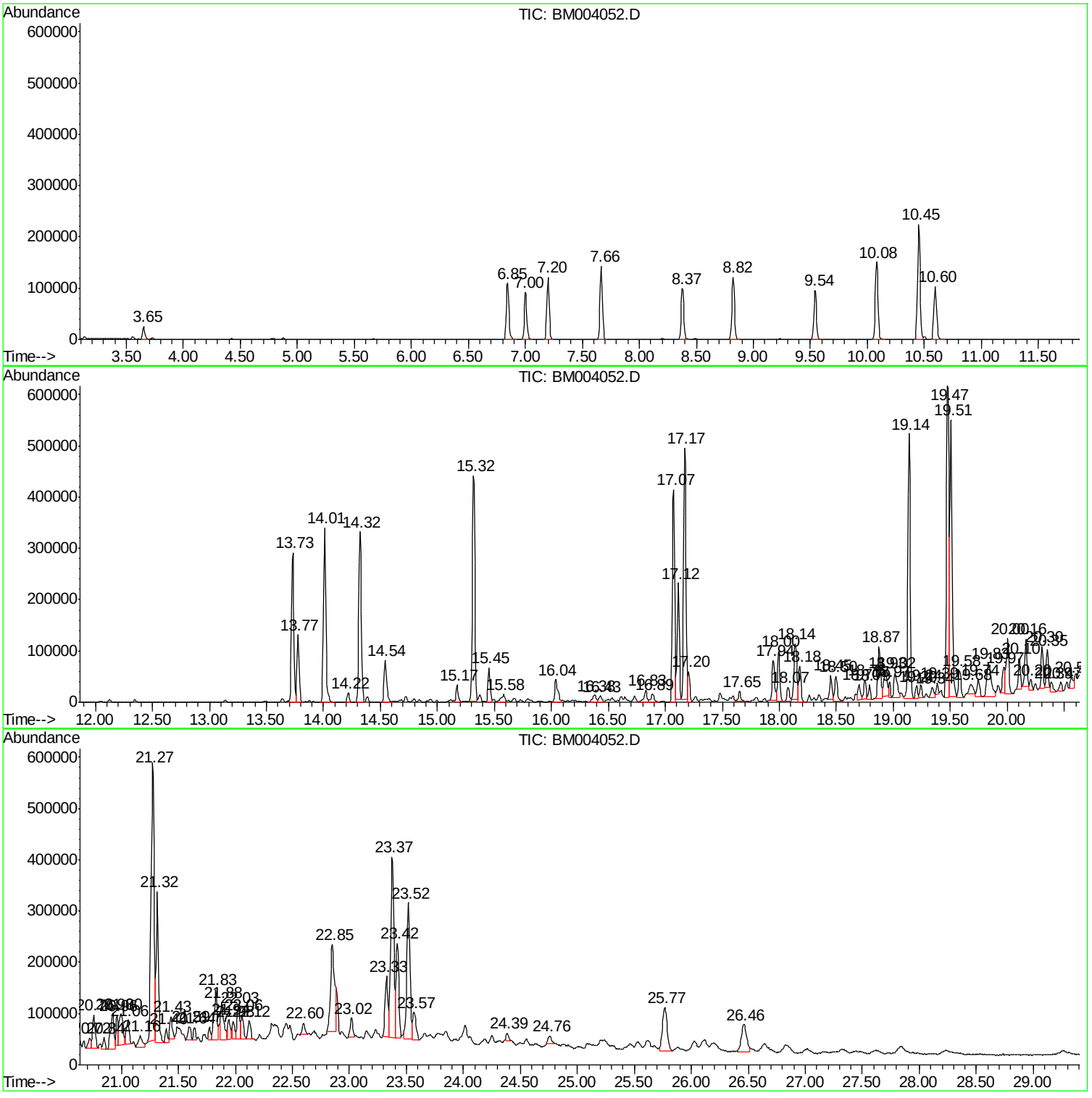
Acq On : 15 Jan 2016 17:48
Operator : SJ/UM
Sample : H1100-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC992

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
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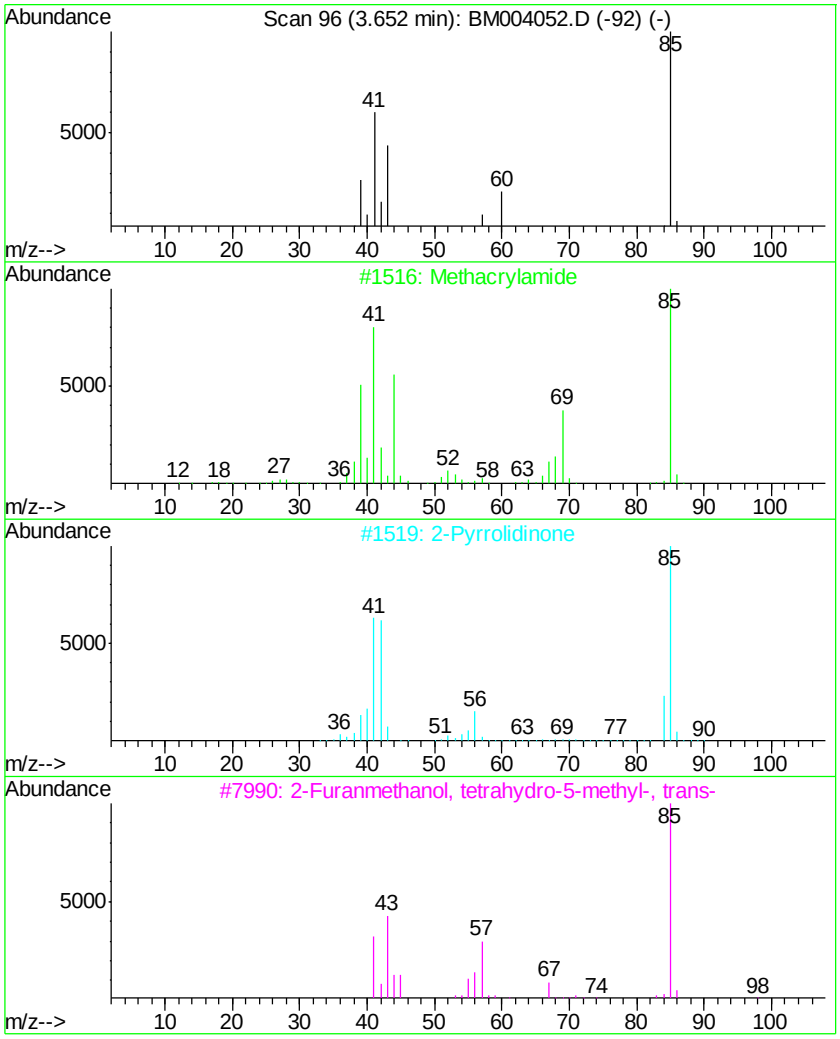
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

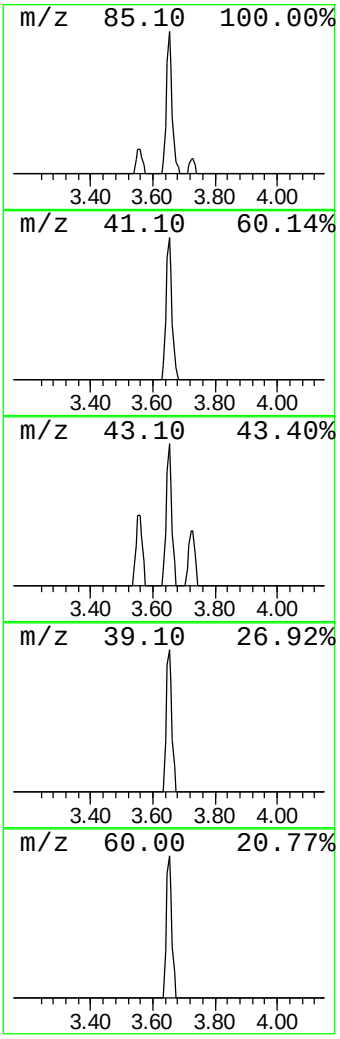
****

Peak Number 1 unknown-01 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.65	2.94 ng/ul	32426	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methacrylamide	85	C4H7NO	000079-39-0	33
2	2-Pyrrolidinone	85	C4H7NO	000616-45-5	9
3	2-Furanmethanol, tetrahydro-5-me...	116	C6H12O2	054774-28-6	9
4	Methacrylamide	85	C4H7NO	000079-39-0	7
5	Methacrylamide	85	C4H7NO	000079-39-0	7





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
Data File : BM004052.D
Acq On : 15 Jan 2016 17:48
Operator : SJ/UM
Sample : H1100-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC992

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

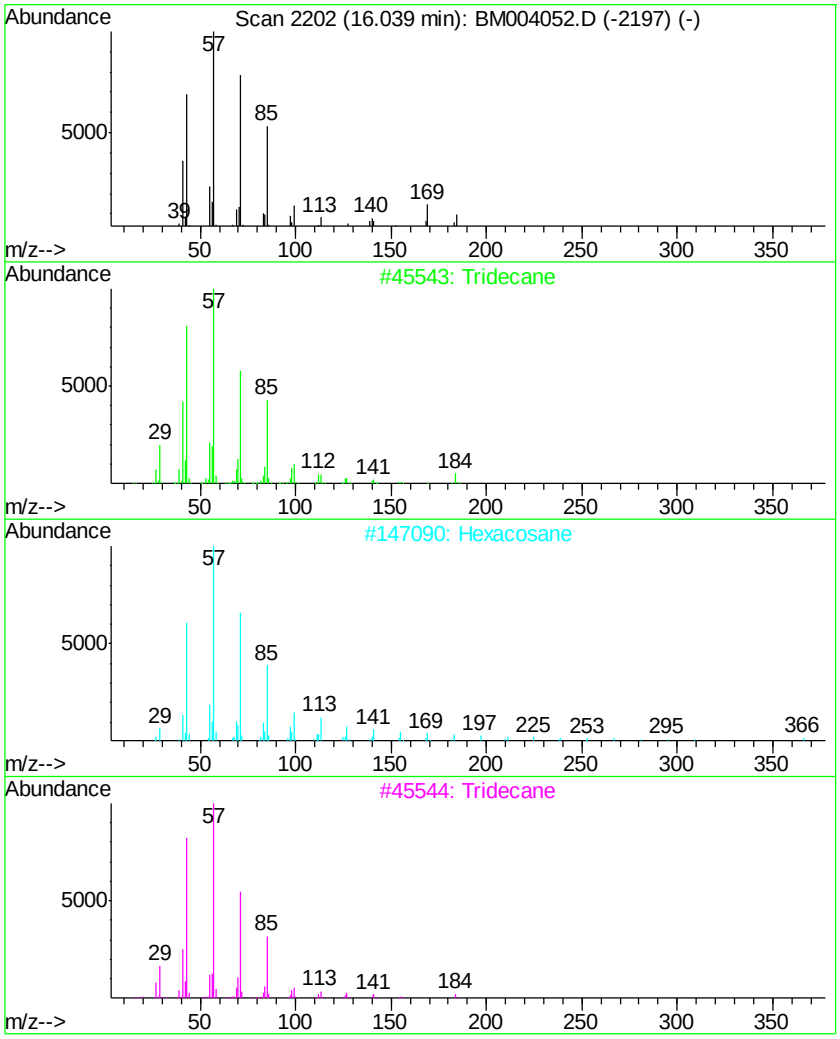
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

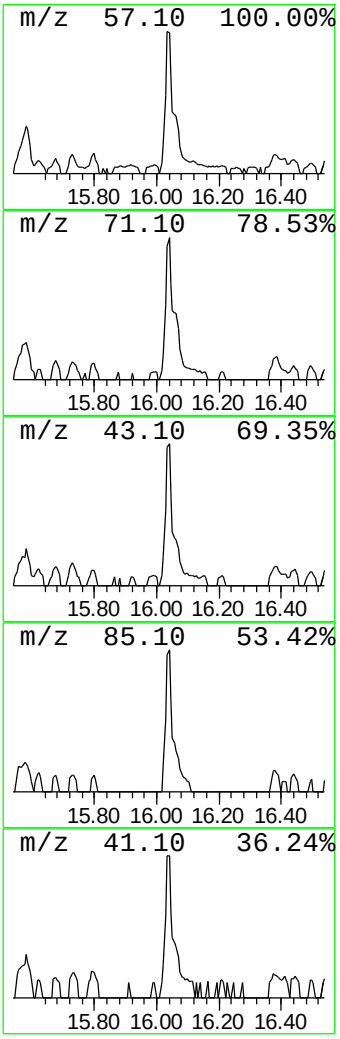
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.04	2.93 ng/ul	86700	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	87
2	Hexacosane	366	C26H54	000630-01-3	86
3	Tridecane	184	C13H28	000629-50-5	83
4	Tetracosane	338	C24H50	000646-31-1	83
5	Octacosane	394	C28H58	000630-02-4	83





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
Data File : BM004052.D
Acq On : 15 Jan 2016 17:48
Operator : SJ/UM
Sample : H1100-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC992

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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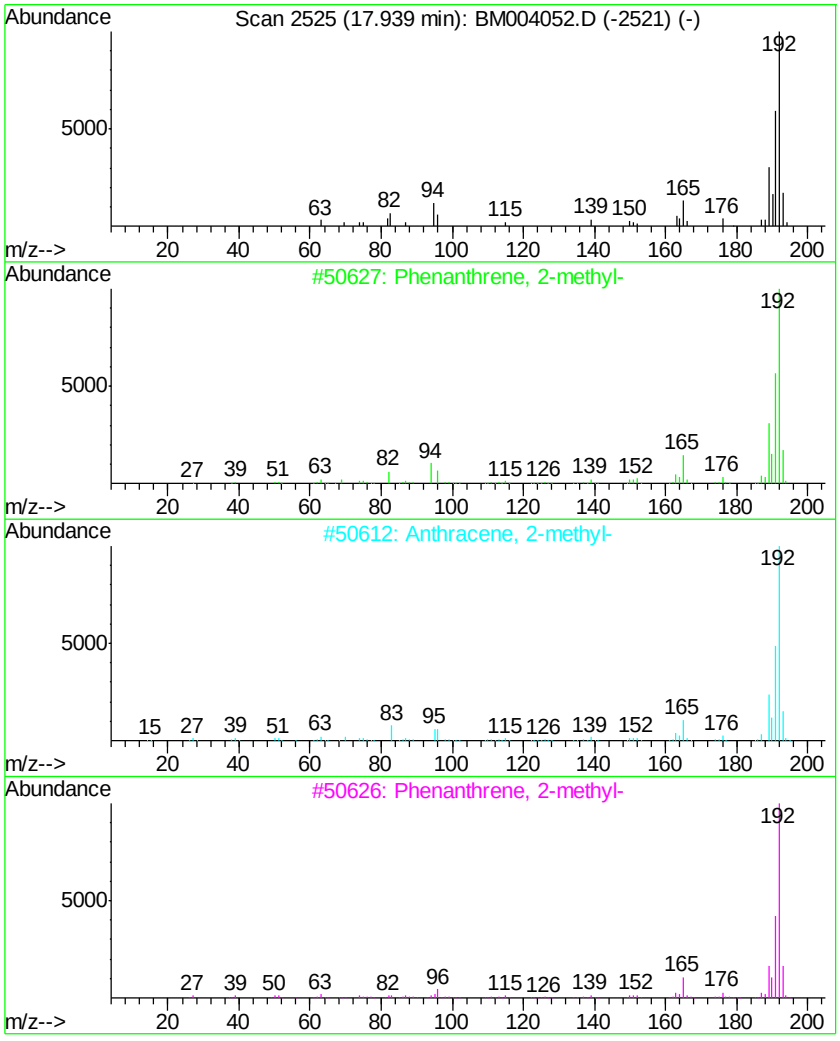
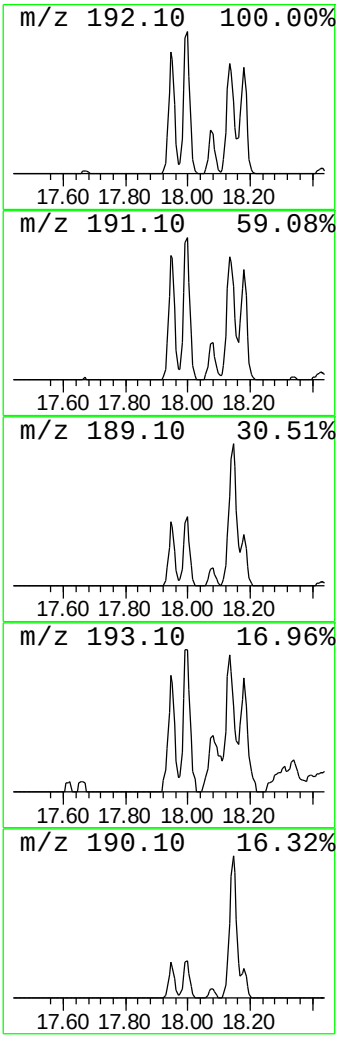
Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	4.07 ng/ul	120174	Phenanthrene-d10	17.07

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





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
Data File : BM004052.D
Acq On : 15 Jan 2016 17:48
Operator : SJ/UM
Sample : H1100-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC992

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

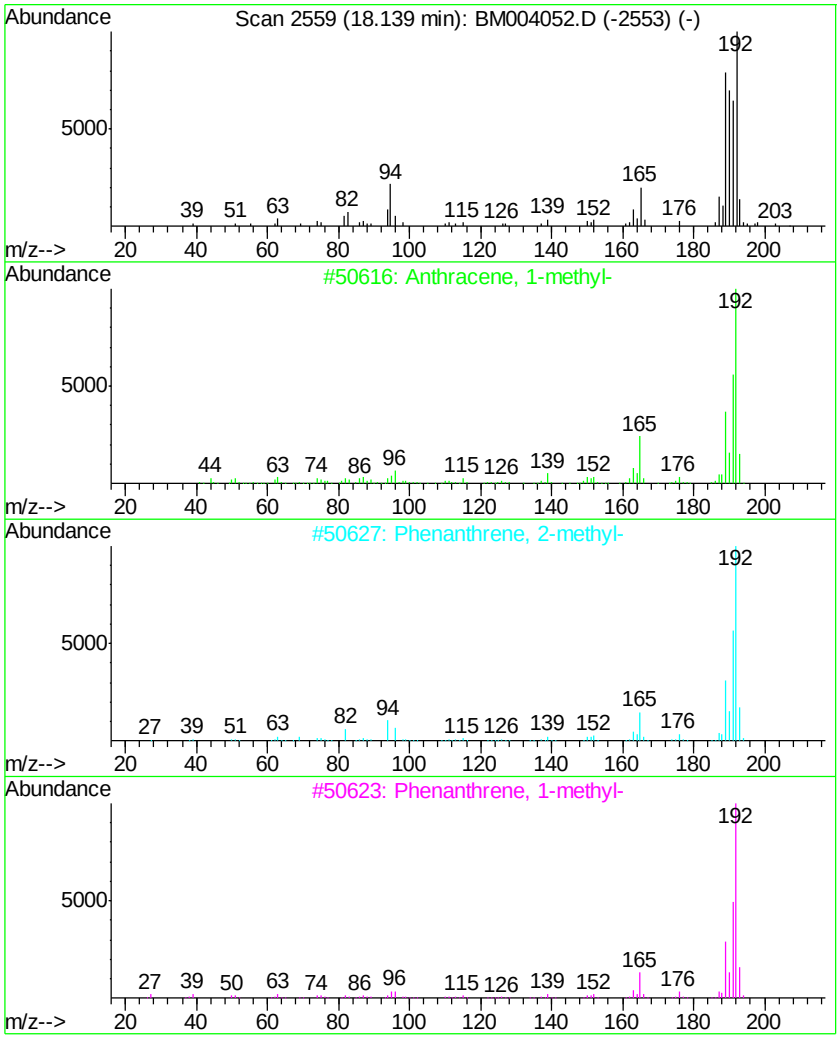
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

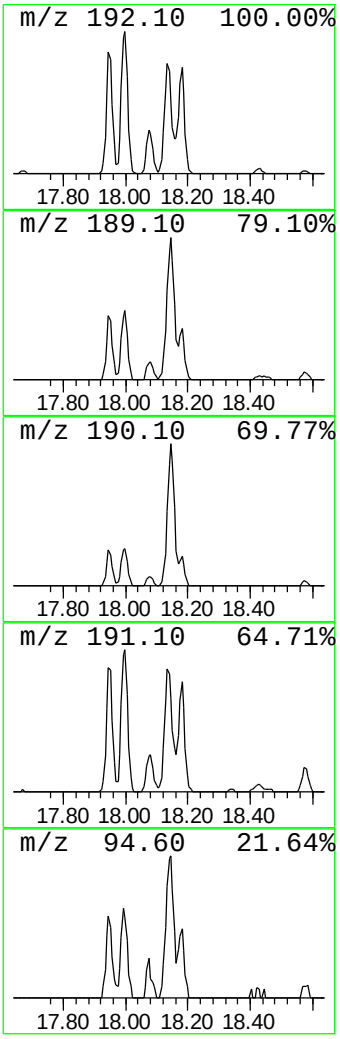
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	6.47 ng/ul	191131	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	64
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	50
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	50
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	50
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	50





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
Data File : BM004052.D
Acq On : 15 Jan 2016 17:48
Operator : SJ/UM
Sample : H1100-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC992

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

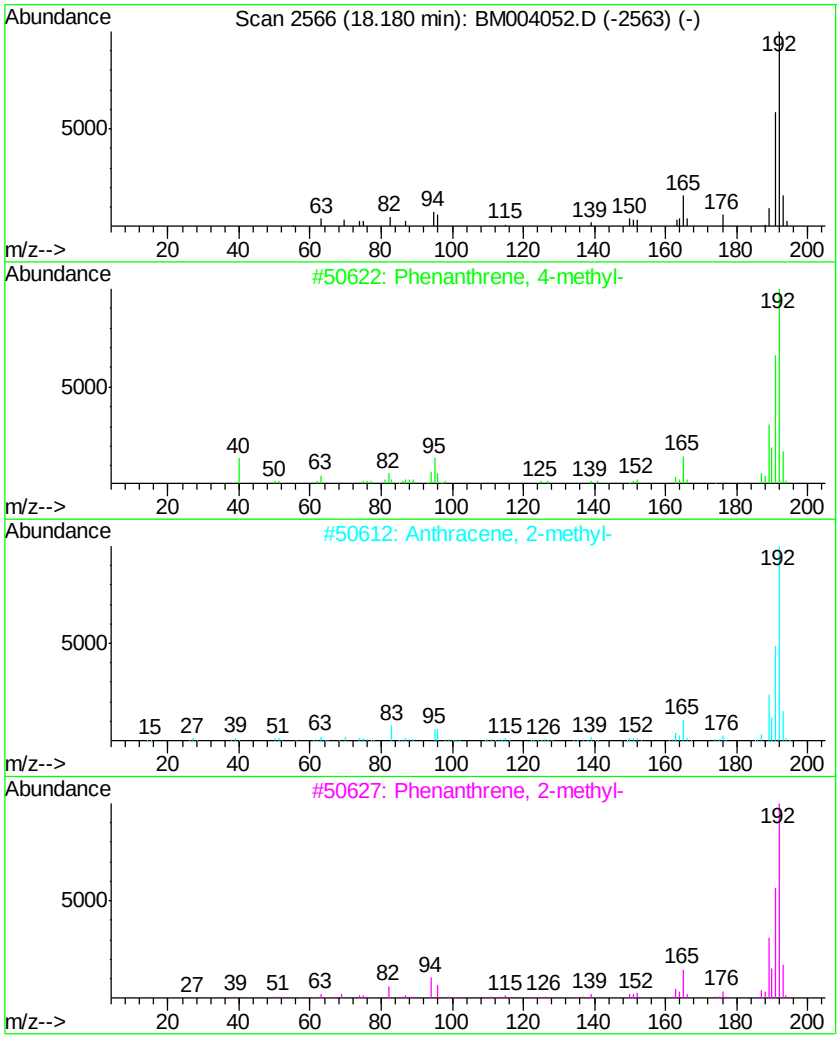
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

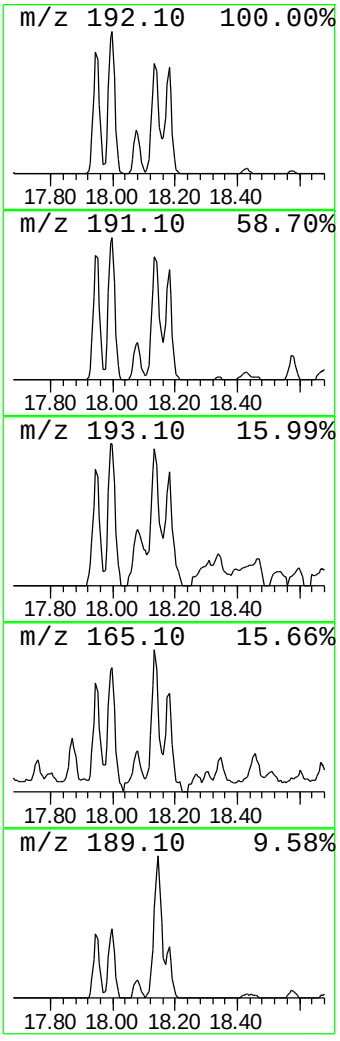
****

Peak Number 6 Phenanthrene, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.18	3.28 ng/ul	97001	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
Data File : BM004052.D
Acq On : 15 Jan 2016 17:48
Operator : SJ/UM
Sample : H1100-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC992

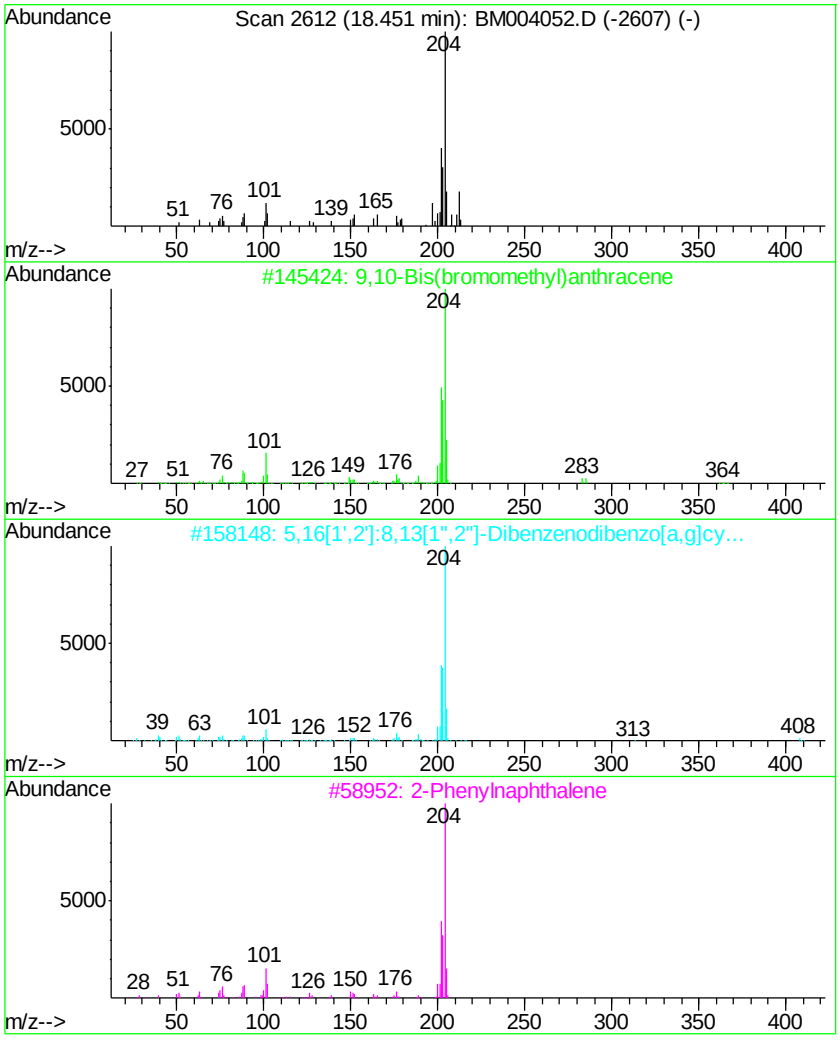
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

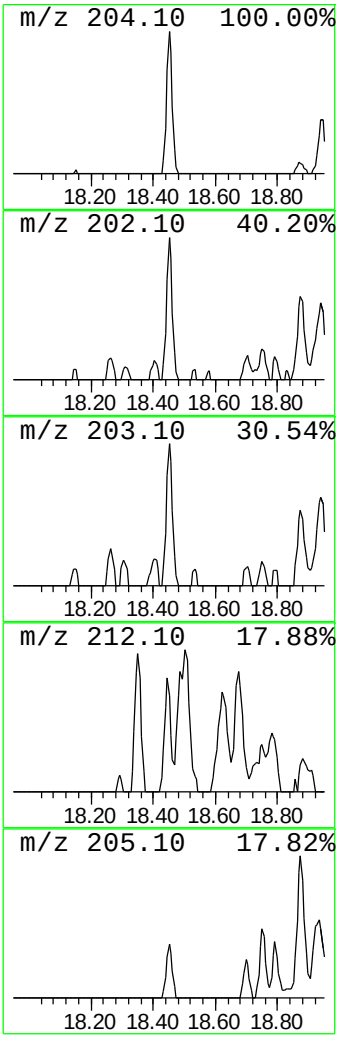
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 9,10-Bis(bromomethyl)anthra... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	2.07 ng/ul	61040	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	74
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
3	2-Phenylnaphthalene	204	C16H12	035465-71-5	60
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	55





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Acq On : 15 Jan 2016 17:48
Operator : SJ/UM
Sample : H1100-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC992

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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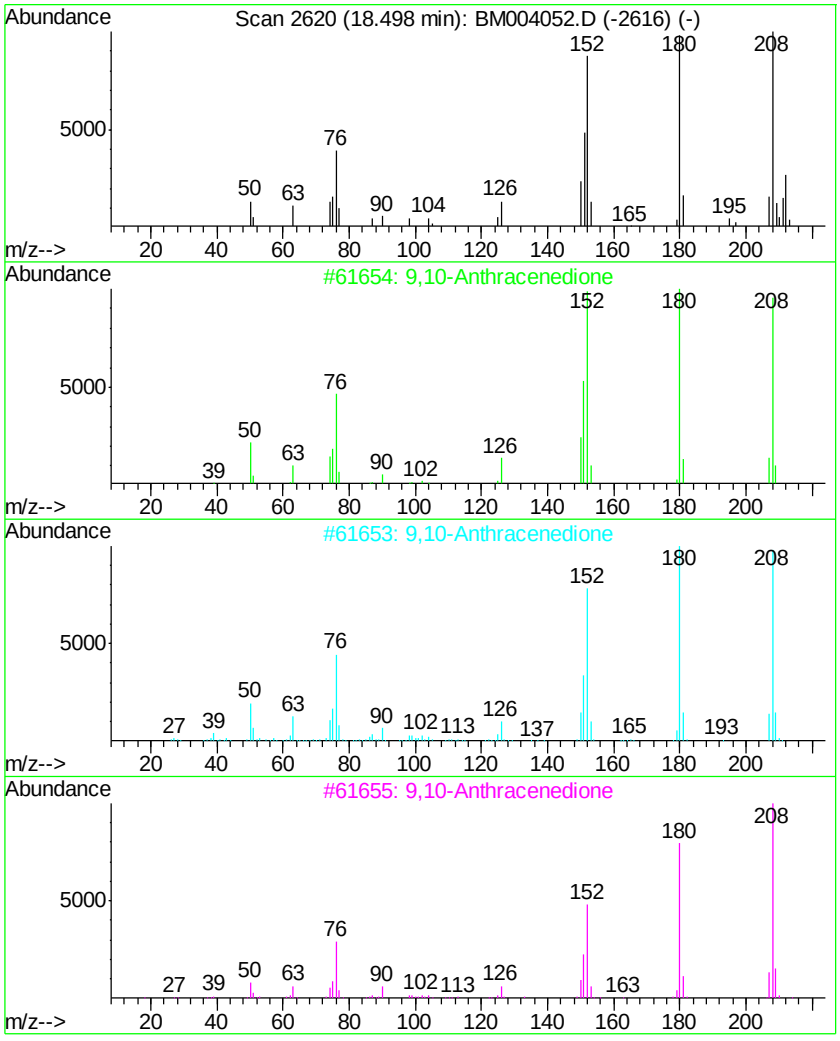
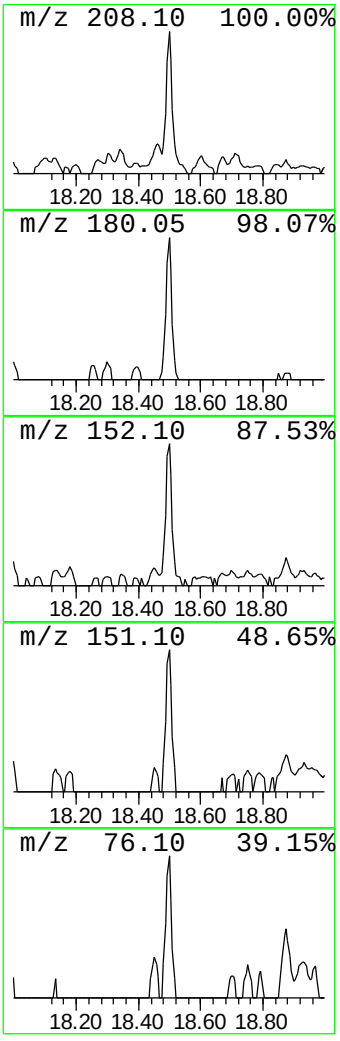
Peak Number 8 9,10-Anthracenedione Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.50	2.61 ng/ul	77060	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	70
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	64





Library Search Compound Report

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Quant Title : SVOA CALIBRATION

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

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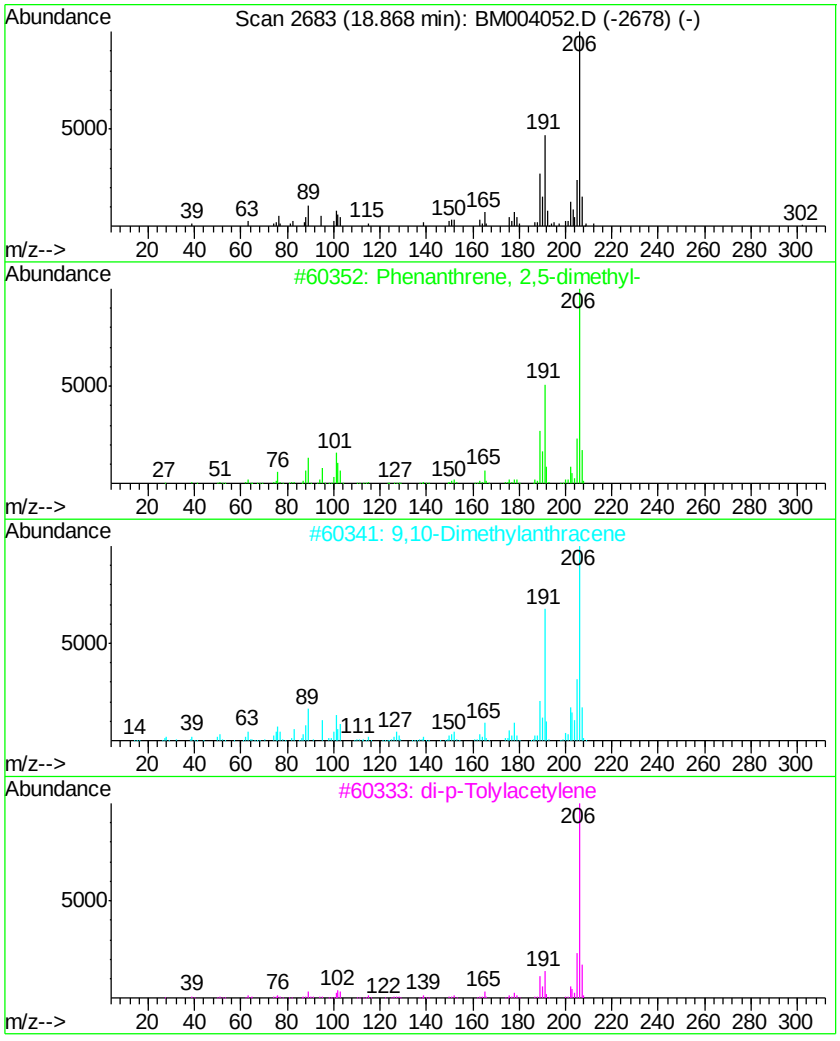
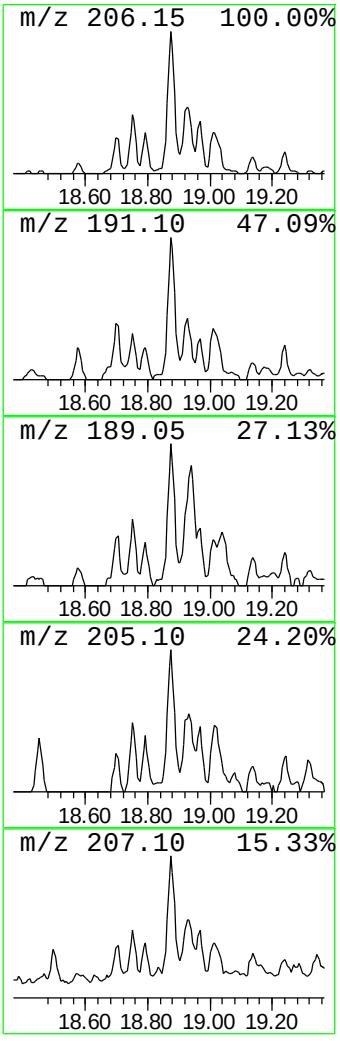
Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	5.90 ng/ul	174441	Phenanthrene-d10	17.07

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	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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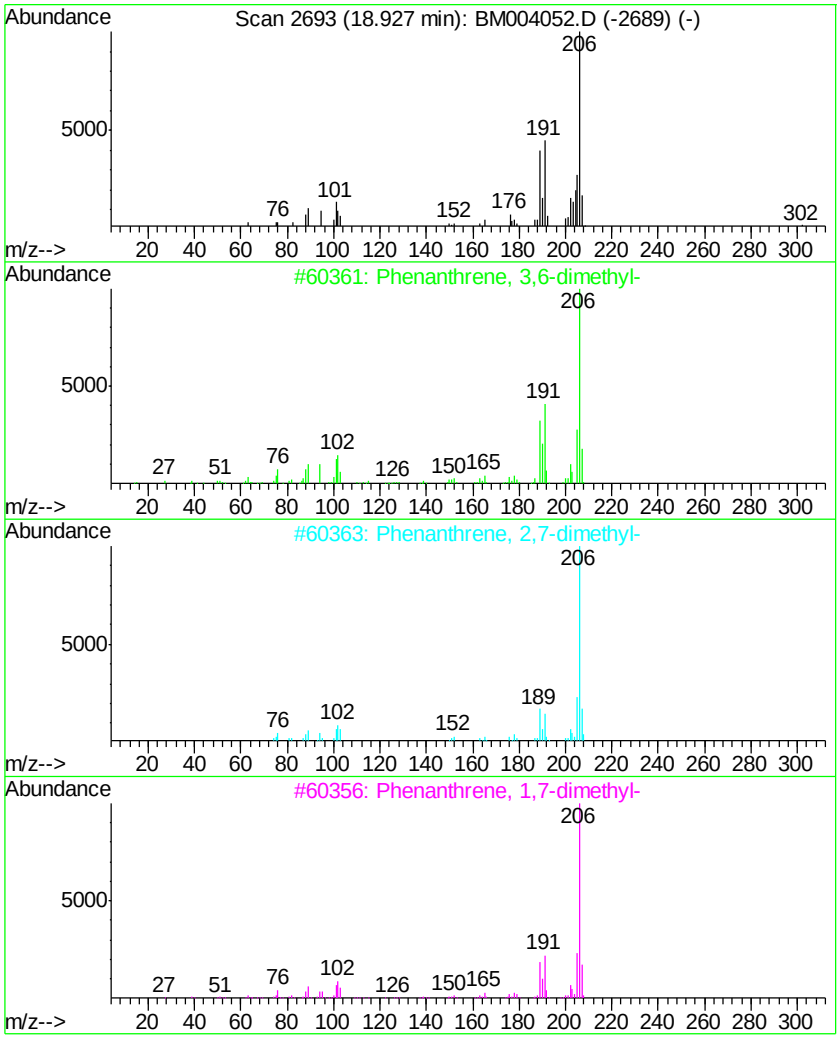
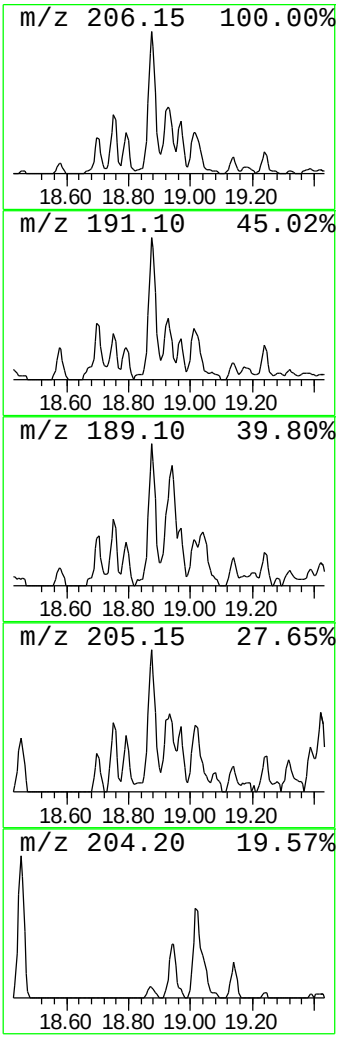
Peak Number 10 Phenanthrene, 3,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.93	3.23 ng/ul	95457	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	78
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	55
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	52
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	50





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Quant Title : SVOA CALIBRATION

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

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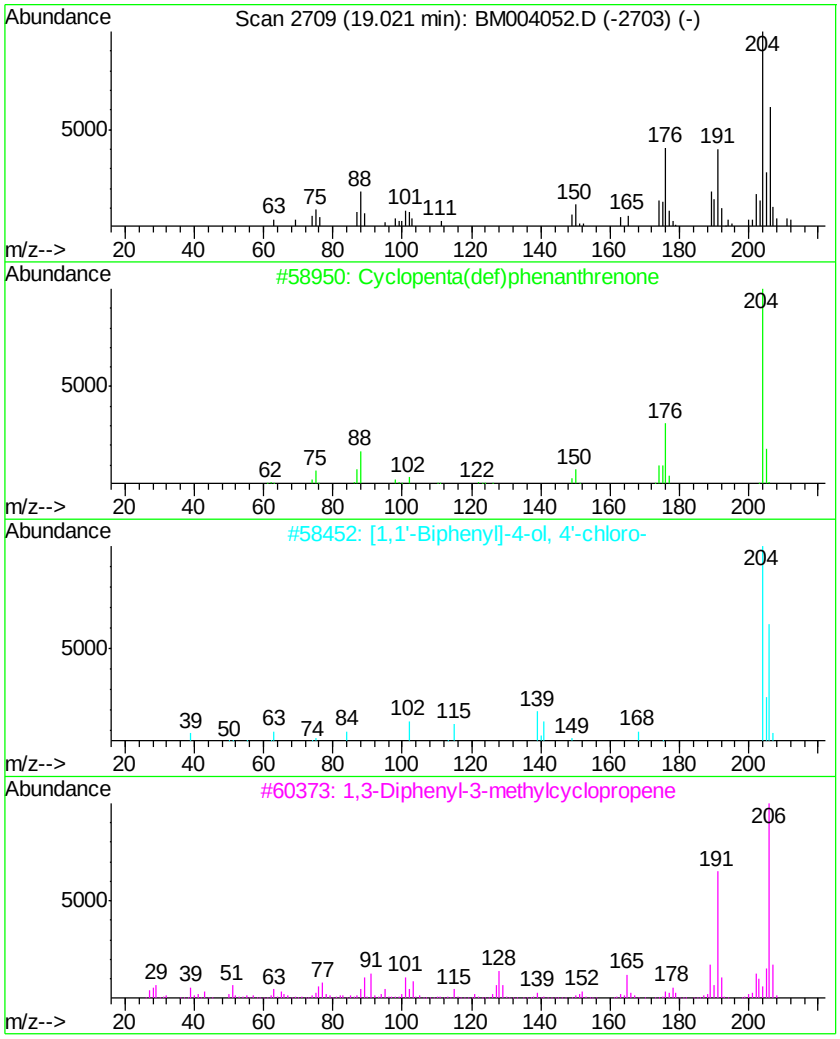
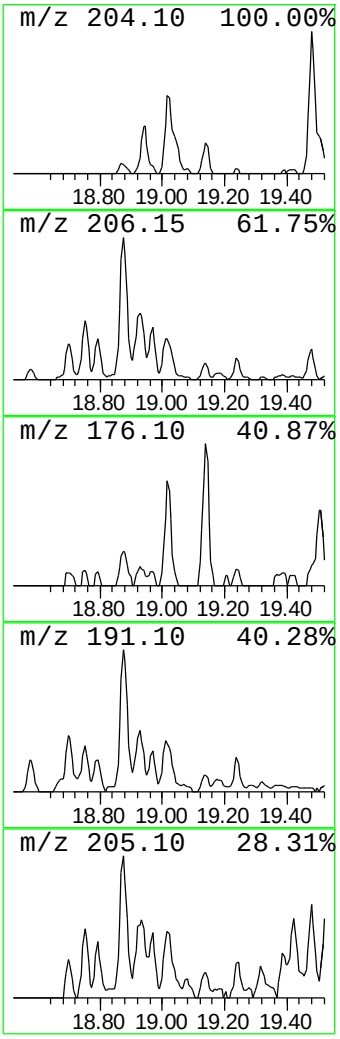
Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.02	3.47 ng/ul	102548	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	52
2	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	46
3	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	46
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	46
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	46





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Sample : H1100-11
Misc :
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Quant Title : SVOA CALIBRATION

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

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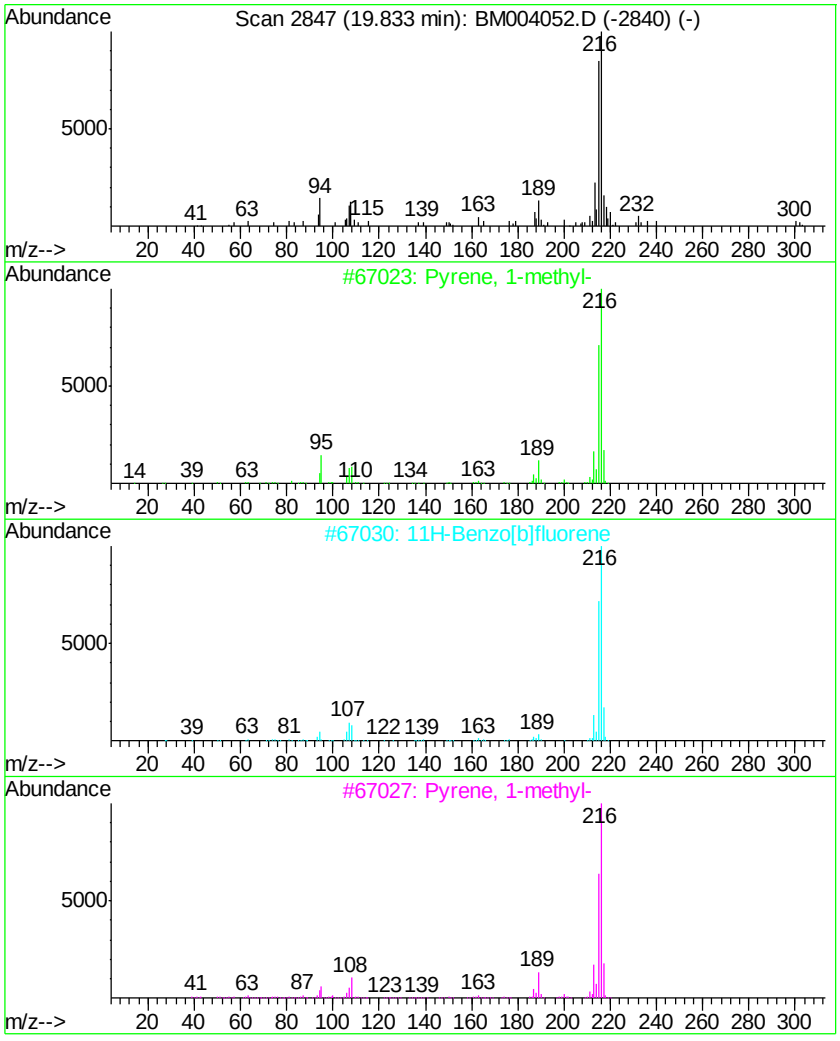
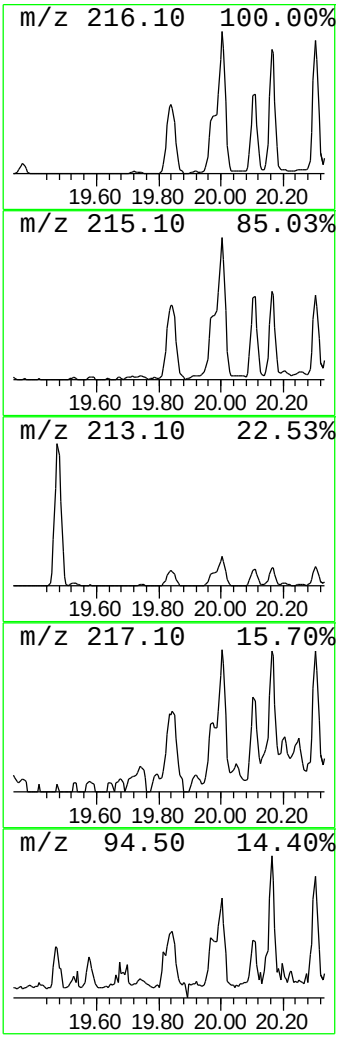
Peak Number 12 Pyrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.83	3.61 ng/ul	186363	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	89
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86





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Sample : H1100-11
Misc :
ALS Vial : 13 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

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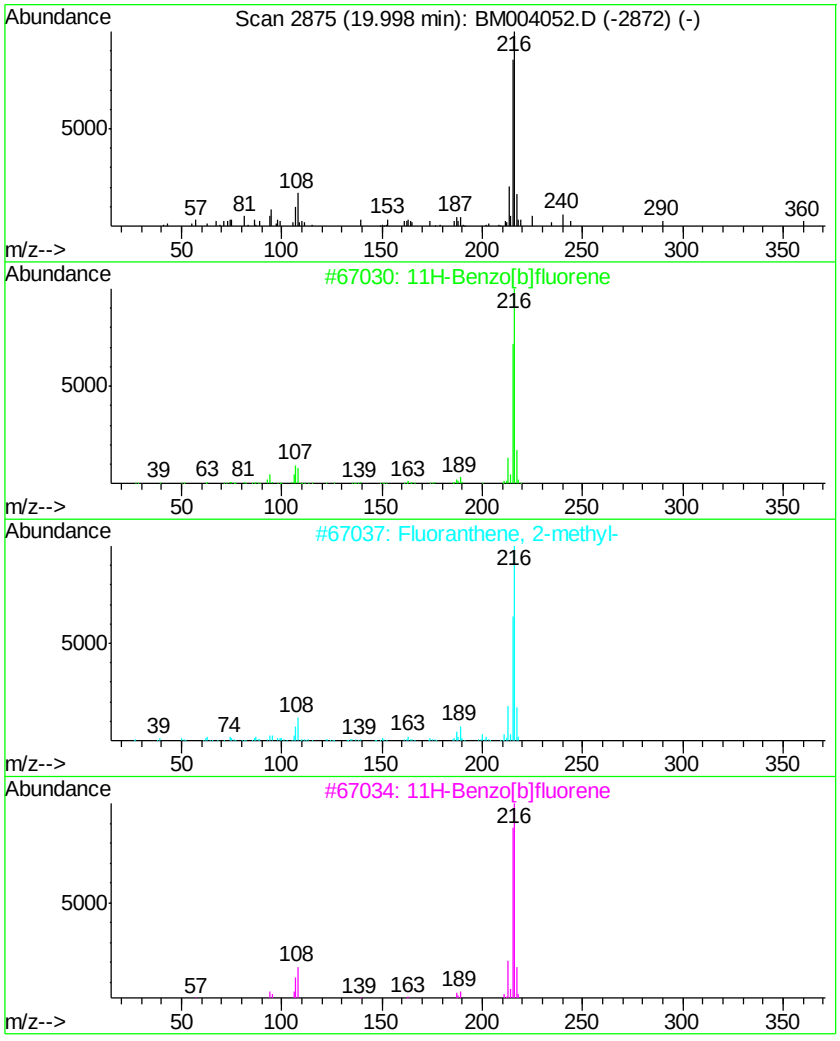
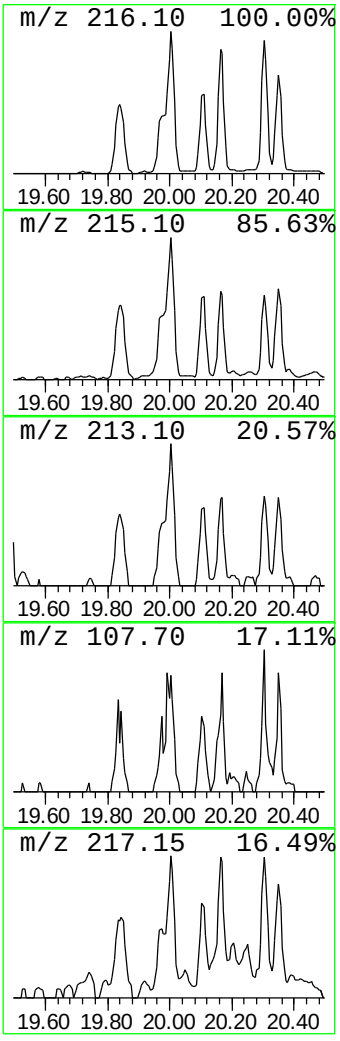
Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.00	3.28 ng/ul	169550	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90





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Sample : H1100-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC992

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Quant Title : SVOA CALIBRATION

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

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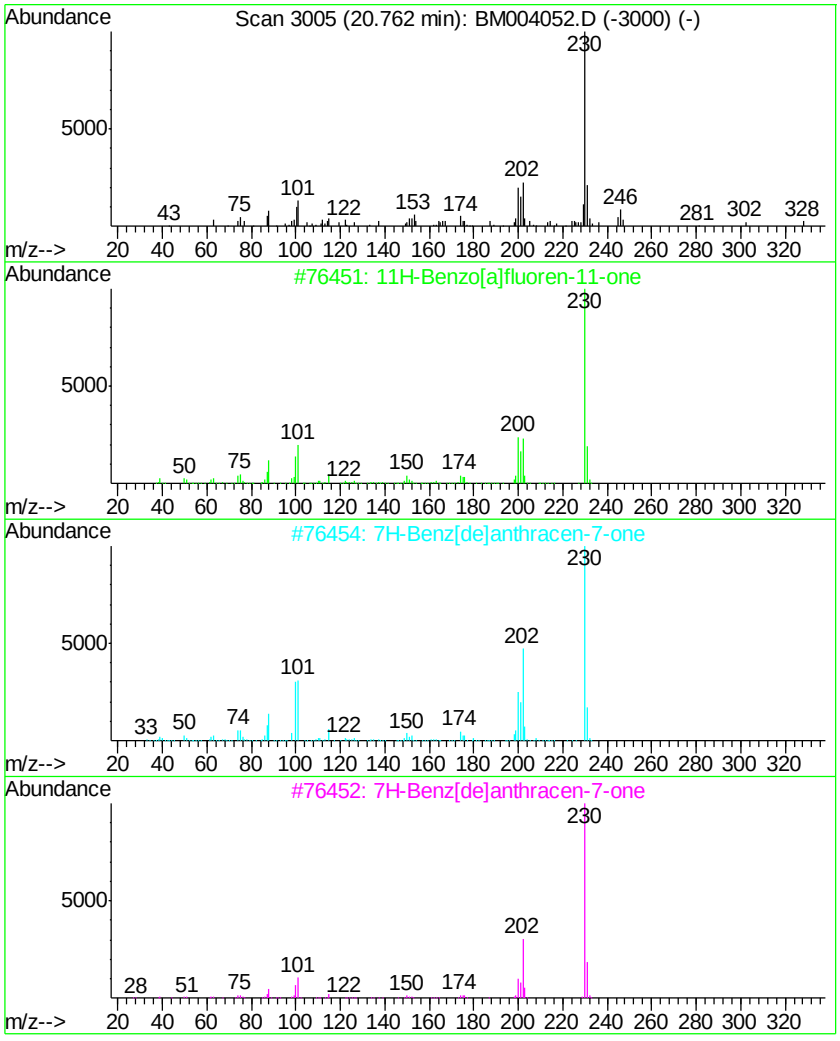
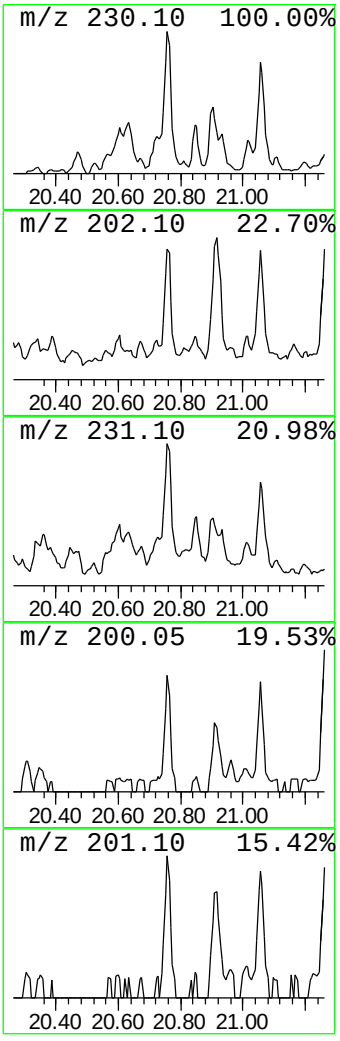
Peak Number 15 11H-Benzo[a]fluoren-11-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.76	2.07 ng/ul	106652	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	98
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	68





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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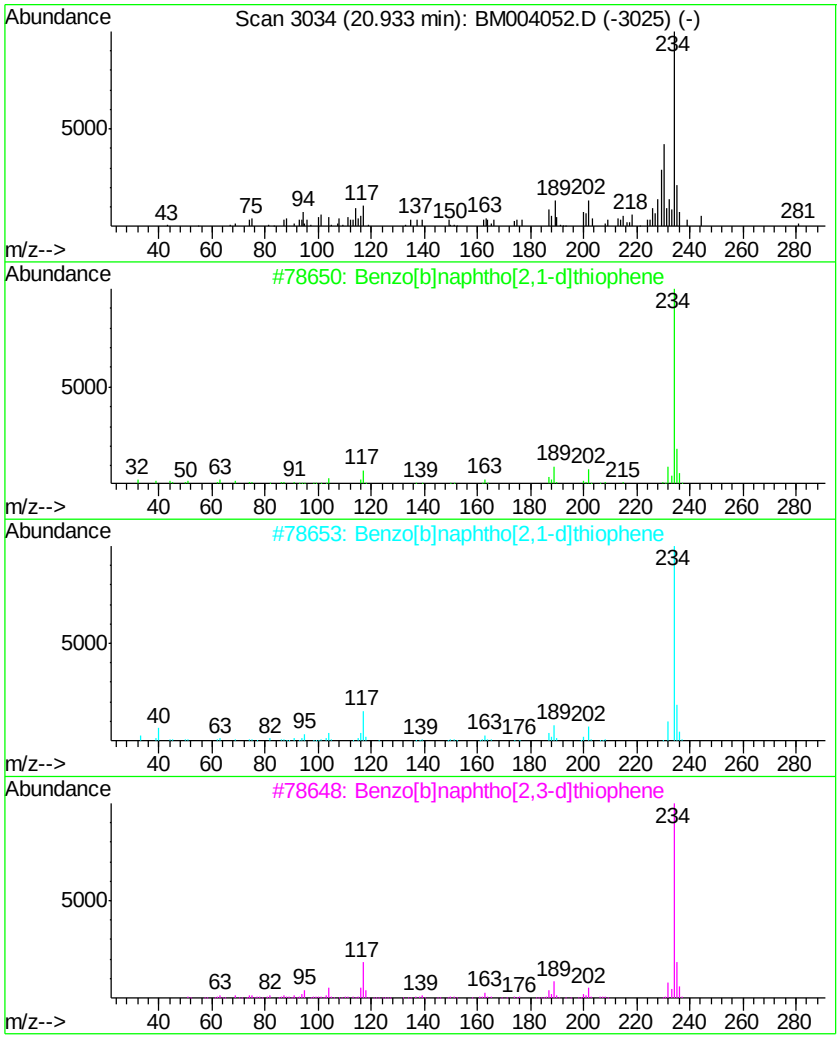
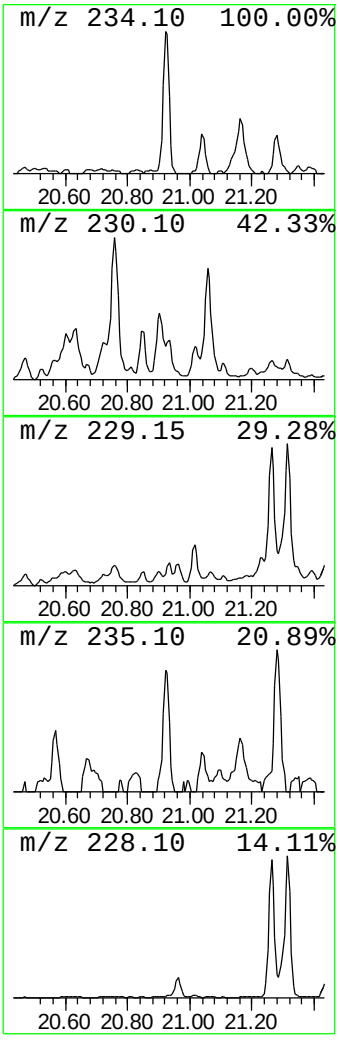
Peak Number 16 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.93	2.83 ng/ul	146063	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	96
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	90
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	90
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	81
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	81





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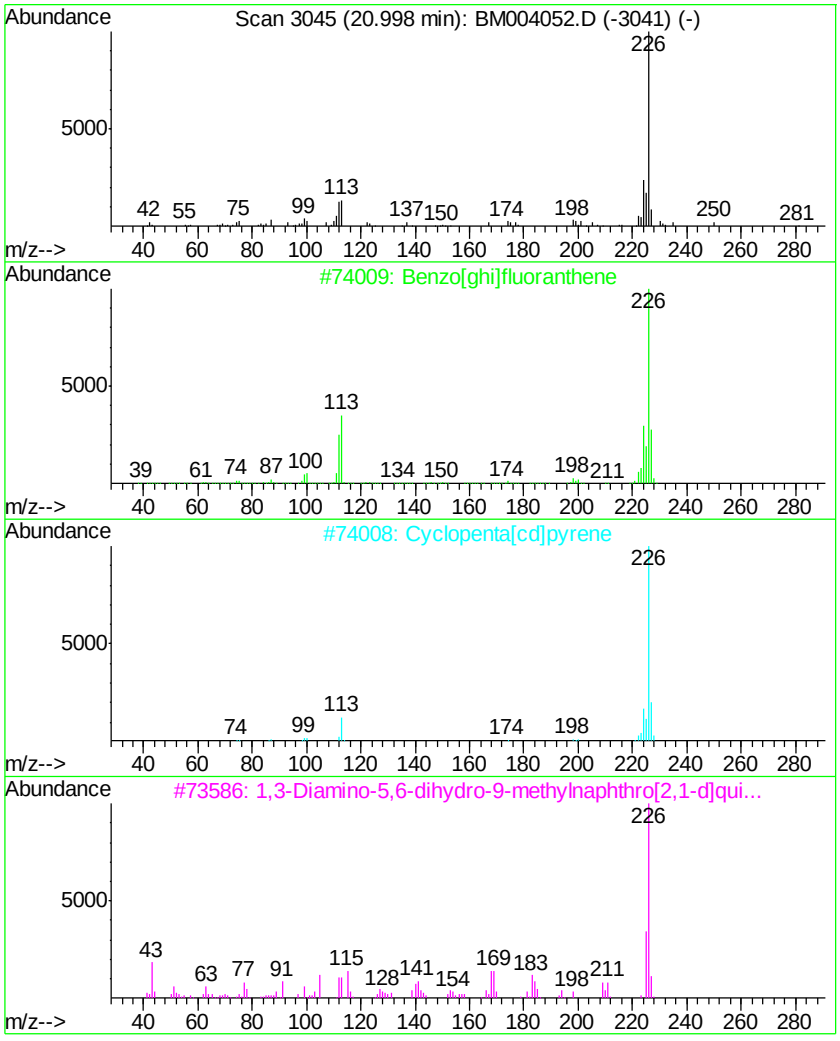
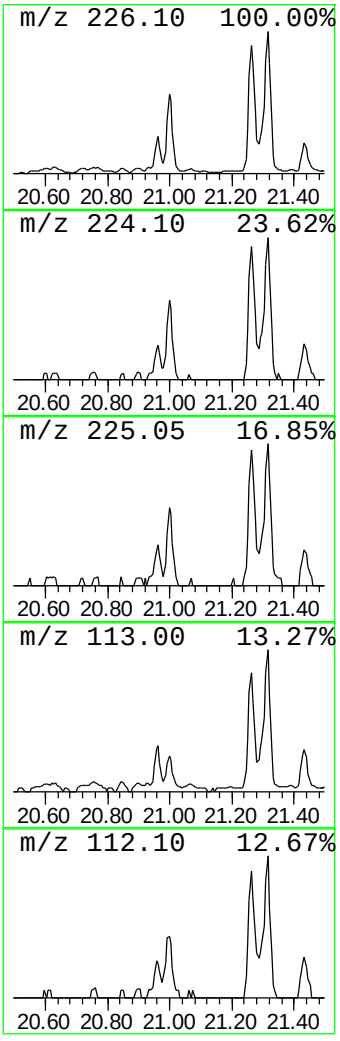
Peak Number 17 Benzo[ghi]fluoranthene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.00	2.68 ng/ul	138377	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	59
2	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	58
3	1,3-Diamino-5,6-dihydro-9-methyl...	226	C13H14N4	037436-39-8	53
4	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	38
5	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	33





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

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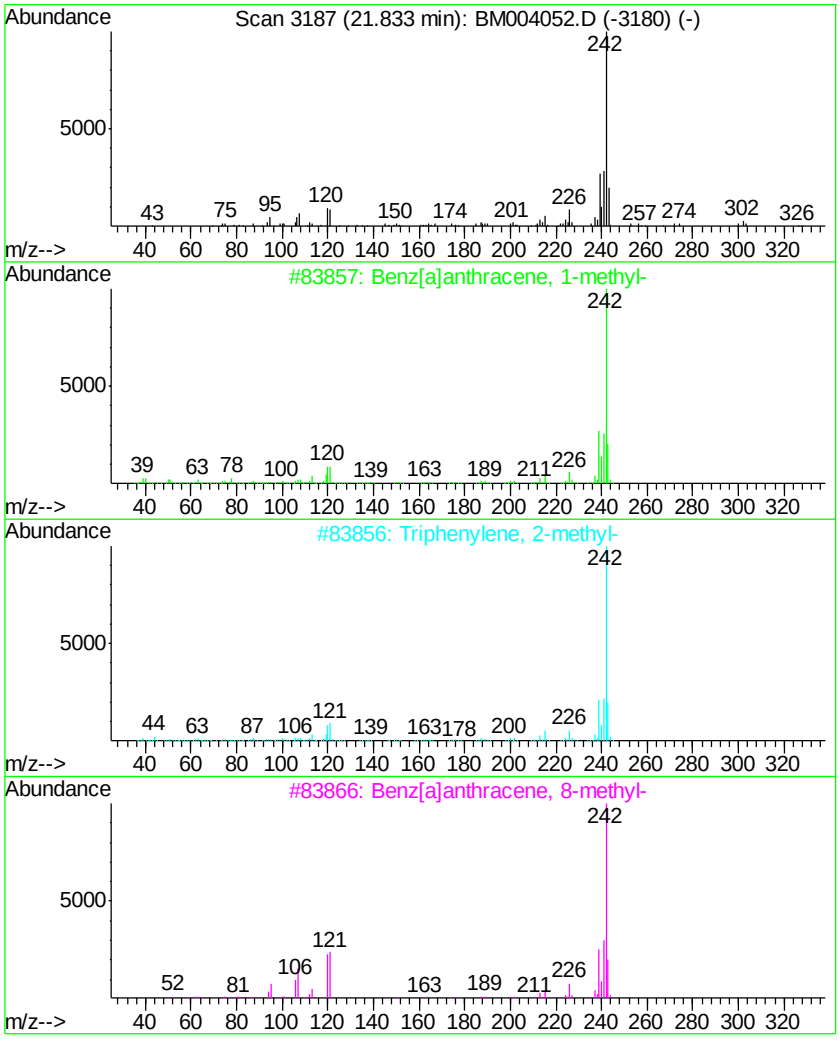
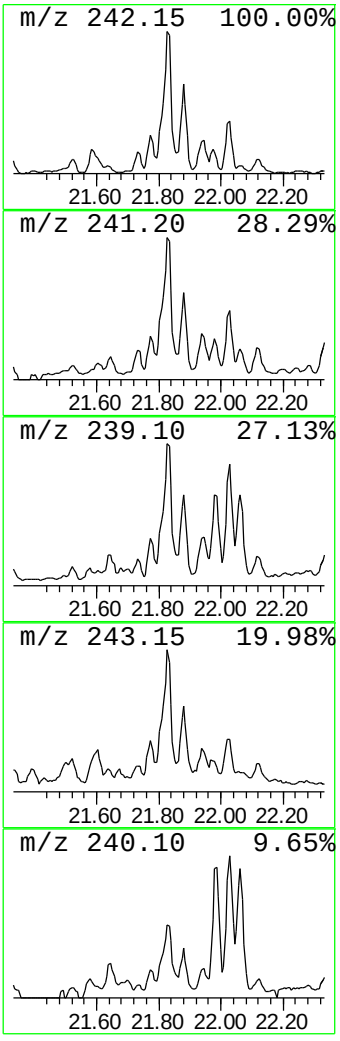
Peak Number 18 Benz[a]anthracene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.83	3.54 ng/ul	182578	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	95
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
3	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	91
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	90
5	Chrysene, 2-methyl-	242	C19H14	003351-32-4	90





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ALS Vial : 13 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

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

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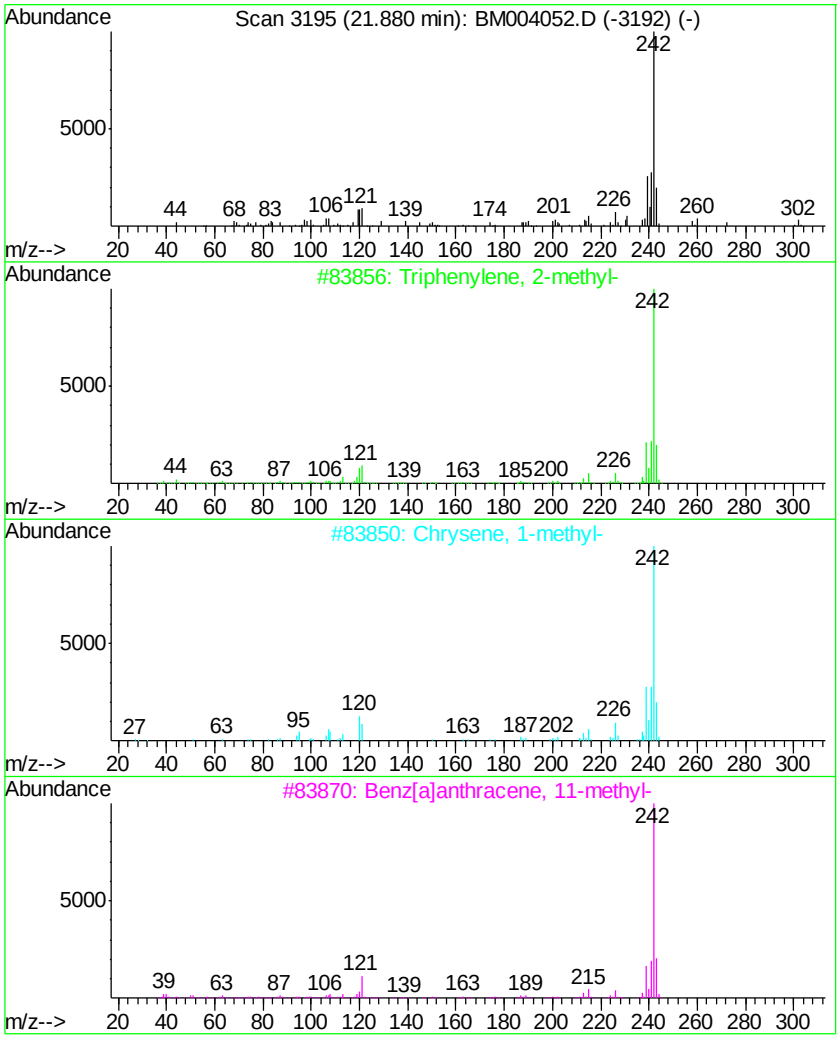
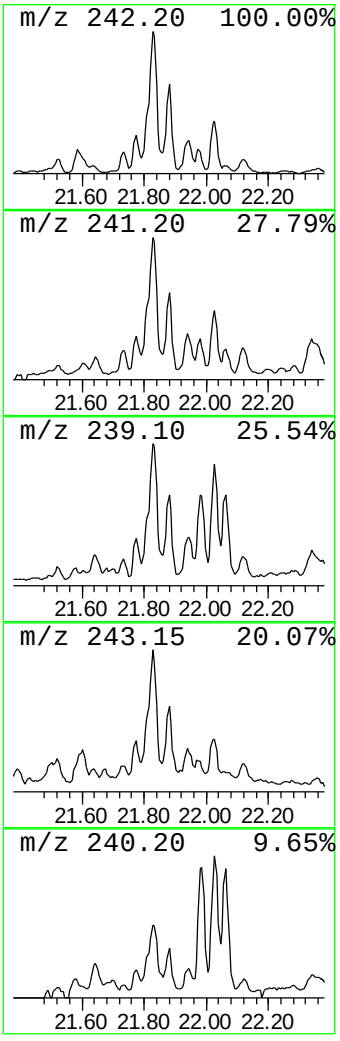
Peak Number 19 Triphenylene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.88	2.70 ng/ul	139500	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	90
3	Benz[a]anthracene, 11-methyl-	242	C19H14	006111-78-0	89
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	89
5	Chrysene, 6-methyl-	242	C19H14	001705-85-7	86





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
Data File : BM004052.D
Acq On : 15 Jan 2016 17:48
Operator : SJ/UM
Sample : H1100-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC992

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

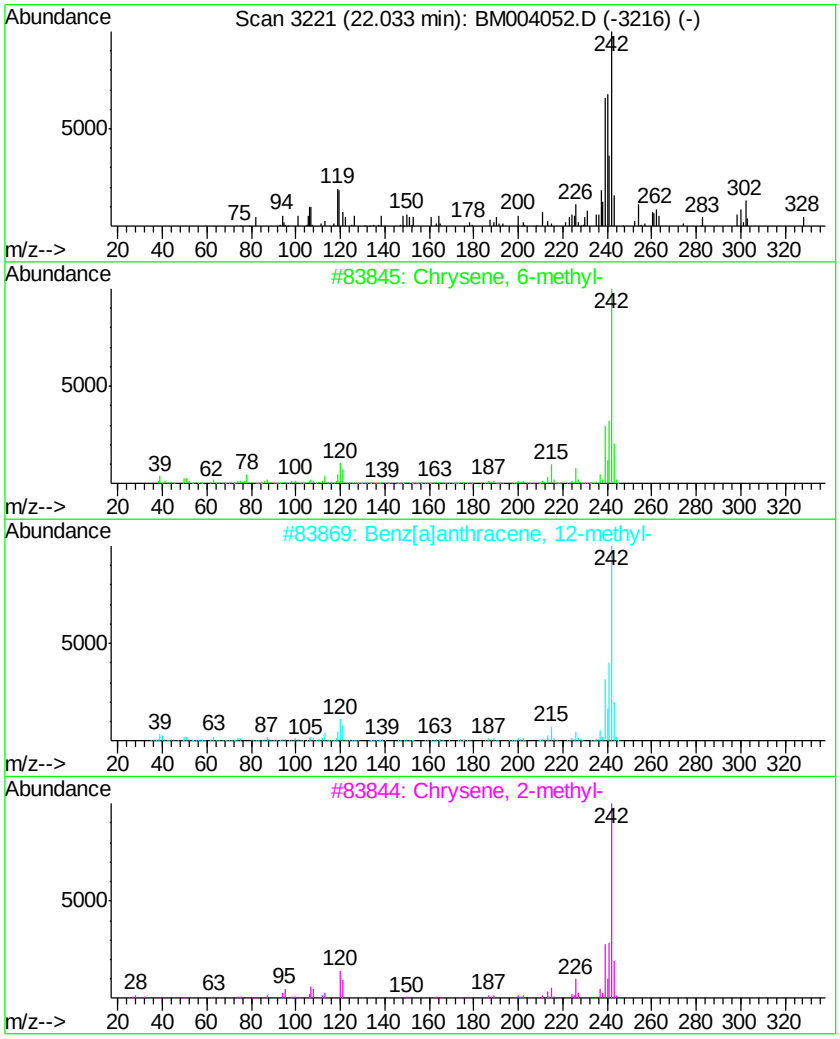
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

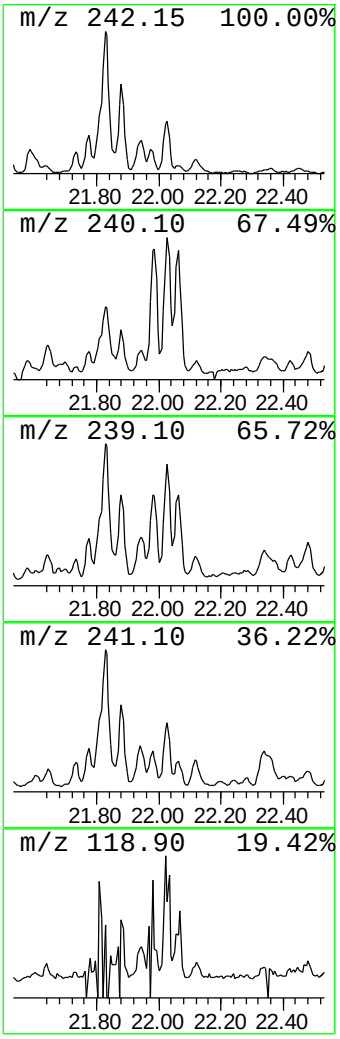
****

Peak Number 20 unknown-02 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.03	2.06 ng/ul	106552	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 6-methyl-	242	C19H14	003697-24-3	45
2	Benz[a]anthracene, 12-methyl-	242	C19H14	002422-79-9	41
3	Chrysene, 2-methyl-	242	C19H14	003351-32-4	41
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	38
5	Chrysene, 6-methyl-	242	C19H14	003697-24-3	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
Data File : BM004052.D
Acq On : 15 Jan 2016 17:48
Operator : SJ/UM
Sample : H1100-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC992

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown-01	3.65	2.9	ng/ul	32426	1	7.66	220731	20.0
(DEL) Alkane: Str...	16.04	2.9	ng/ul	86700	4	17.07	591077	20.0
Phenanthrene, 2-m...	17.94	4.1	ng/ul	120174	4	17.07	591077	20.0
Anthracene, 1-met...	18.14	6.5	ng/ul	191131	4	17.07	591077	20.0
Phenanthrene, 4-m...	18.18	3.3	ng/ul	97001	4	17.07	591077	20.0
9,10-Bis(bromomet...	18.45	2.1	ng/ul	61040	4	17.07	591077	20.0
9,10-Anthracenedione	18.50	2.6	ng/ul	77060	4	17.07	591077	20.0
Phenanthrene, 2,5...	18.87	5.9	ng/ul	174441	4	17.07	591077	20.0
Phenanthrene, 3,6...	18.93	3.2	ng/ul	95457	4	17.07	591077	20.0
Cyclopenta(def)ph...	19.02	3.5	ng/ul	102548	4	17.07	591077	20.0
Pyrene, 1-methyl-	19.83	3.6	ng/ul	186363	5	21.28	1032800	20.0
11H-Benzo[b]fluorene	20.00	3.3	ng/ul	169550	5	21.28	1032800	20.0
11H-Benzo[a]fluor...	20.76	2.1	ng/ul	106652	5	21.28	1032800	20.0
Benzo[b]naphtho[2...	20.93	2.8	ng/ul	146063	5	21.28	1032800	20.0
Benzo[ghi]fluoran...	21.00	2.7	ng/ul	138377	5	21.28	1032800	20.0
Benz[a]anthracene...	21.83	3.5	ng/ul	182578	5	21.28	1032800	20.0
Triphenylene, 2-m...	21.88	2.7	ng/ul	139500	5	21.28	1032800	20.0
unknown-02	22.03	2.1	ng/ul	106552	5	21.28	1032800	20.0