LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
Data File : BM002798.D
Acq On : 01 Oct 2015 01:01
Operator : UM/IZ
Sample : G3798-22
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9G74

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-BM092915.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	3.110	3	4	12	rVB	44582	46393	1.14%	0.102%
2	3.363	39	47	57	rBV	376785	881299	21.71%	1.936%
3	3.457	57	63	81	rVB	1537881	2431504	59.90%	5.341%
4	3.769	112	116	125	rVB	9317	15105	0.37%	0.033%
5	4.375	213	219	226	rVB	24922	36912	0.91%	0.081%
6	5.646	427	435	444	rVB2	28338	46968	1.16%	0.103%
7	7.822	797	805	818	rBV	181640	310425	7.65%	0.682%
8	7.992	828	834	842	rBV	152961	244103	6.01%	0.536%
9	8.216	865	872	884	rVB	193257	329417	8.11%	0.724%
10	8.698	948	954	963	rVB	277884	472345	11.64%	1.037%
11	9.404	1067	1074	1083	rBV	216203	369106	9.09%	0.811%
12	9.898	1151	1158	1166	rBV	168182	293824	7.24%	0.645%
13	10.628	1275	1282	1291	rBV	132478	223080	5.50%	0.490%
14	11.175	1367	1375	1381	rBV	188345	348610	8.59%	0.766%
15	11.239	1381	1386	1397	rVB	29029	58004	1.43%	0.127%
16	11.563	1433	1441	1448	rBV	384602	675781	16.65%	1.484%
17	11.686	1454	1462	1475	rBV	161458	317450	7.82%	0.697%
18	14.674	1964	1970	1974	rVV	337880	475983	11.72%	1.045%
19	14.721	1974	1978	1985	rVB	231677	311012	7.66%	0.683%
20	15.004	2019	2026	2036	rBV	400875	643215	15.84%	1.413%
21	15.298	2070	2076	2082	rBV2	475132	732302	18.04%	1.608%
22	15.363	2082	2087	2093	rVB	58890	87912	2.17%	0.193%
23	15.474	2101	2106	2118	rVV	78114	132011	3.25%	0.290%
24	15.686	2135	2142	2151	rBV	31171	49659	1.22%	0.109%
25	16.051	2200	2204	2208	rVB2	11636	15547	0.38%	0.034%
26	16.274	2235	2242	2247	rBV	482815	720461	17.75%	1.582%
27	16.327	2247	2251	2257	rVB	75146	103676	2.55%	0.228%
28	16.398	2259	2263	2268	rBV2	24402	35618	0.88%	0.078%
29	16.604	2294	2298	2304	rVB	14539	22036	0.54%	0.048%
30	16.751	2317	2323	2332	rVB	14818	29982	0.74%	0.066%
31	16.898	2343	2348	2356	rVV	14614	26751	0.66%	0.059%
32	17.186	2389	2397	2402	rBV3	30663	54224	1.34%	0.119%
33	17.280	2407	2413	2416	rBV	40255	54530	1.34%	0.120%
34	17.568	2458	2462	2466	rVV5	9301	15405	0.38%	0.034%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
Data File : BM002798.D
Acq On : 01 Oct 2015 01:01
Operator : UM/IZ
Sample : G3798-22
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9G74

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-BM092915.M
Title : SVOA CALIBRATION

35	17.668	2475	2479	2485	rVV	68051	103968	2.56%	0.228%
36	17.727	2485	2489	2498	rVV6	10907	25589	0.63%	0.056%
37	17.833	2498	2507	2514	rVV	66720	97624	2.40%	0.214%
38	18.009	2531	2537	2540	rBV	466061	704035	17.34%	1.546%
39	18.057	2540	2545	2550	rVV	1464675	2193657	54.04%	4.818%
40	18.109	2550	2554	2558	rVV2	474497	730442	17.99%	1.604%
41	18.145	2558	2560	2565	rVV	181589	220372	5.43%	0.484%
42	18.198	2565	2569	2577	rVB	36492	56839	1.40%	0.125%
43	18.404	2596	2604	2611	rBV	172482	279687	6.89%	0.614%
44	18.504	2616	2621	2625	rBV	23749	32956	0.81%	0.072%
45	18.580	2630	2634	2644	rVB4	18185	27226	0.67%	0.060%
46	18.715	2654	2657	2663	rVB3	9166	16249	0.40%	0.036%
47	18.862	2677	2682	2685	rVV	102011	145931	3.59%	0.321%
48	18.909	2685	2690	2697	rVV2	146845	232621	5.73%	0.511%
49	18.986	2698	2703	2708	rVV	21506	33067	0.81%	0.073%
50	19.062	2708	2716	2726	rVB3	206972	431750	10.64%	0.948%
51	19.192	2734	2738	2743	rBV3	15075	23116	0.57%	0.051%
52	19.333	2756	2762	2767	rVV	120398	167715	4.13%	0.368%
53	19.392	2767	2772	2779	rVB	274819	385825	9.50%	0.847%
54	19.456	2779	2783	2787	rBV	11586	15136	0.37%	0.033%
55	19.574	2799	2803	2808	rVB2	23807	30431	0.75%	0.067%
56	19.621	2808	2811	2814	rBV	21856	24666	0.61%	0.054%
57	19.662	2814	2818	2821	rVV3	13828	17388	0.43%	0.038%
58	19.739	2826	2831	2835	rBV	38783	61191	1.51%	0.134%
59	19.786	2835	2839	2842	rBV3	24140	36014	0.89%	0.079%
60	19.898	2851	2858	2864	rBV	87159	149854	3.69%	0.329%
61	20.015	2868	2878	2886	rVV	2842384	4059569	100.00%	8.917%
62	20.103	2890	2893	2898	rVB	37841	53464	1.32%	0.117%
63	20.156	2898	2902	2905	rBV2	21055	38220	0.94%	0.084%
64	20.198	2905	2909	2912	rVV3	39054	60880	1.50%	0.134%
65	20.250	2912	2918	2925	rVB2	89670	170404	4.20%	0.374%
66	20.339	2925	2933	2935	rBV3	731711	1316854	32.44%	2.892%
67	20.374	2935	2939	2944	rVV	2181670	3062707	75.44%	6.727%
68	20.421	2944	2947	2952	rVB2	73701	102166	2.52%	0.224%
69	20.533	2961	2966	2970	rBV	104254	142137	3.50%	0.312%
70	20.603	2974	2978	2983	rVB	66769	87207	2.15%	0.192%
71	20.668	2984	2989	2995	rBV2	105261	224814	5.54%	0.494%

LSC Area Percent Report

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Acq On : 01 Oct 2015 01:01
Operator : UM/IZ
Sample : G3798-22
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9G74

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-BM092915.M
Title : SVOA CALIBRATION

72	20.733	2996	3000	3004	rVB	46838	66771	1.64%	0.147%
73	20.839	3005	3018	3025	rBV2	241289	499355	12.30%	1.097%
74	20.933	3029	3034	3038	rBV	175448	259885	6.40%	0.571%
75	20.998	3042	3045	3048	rVV	105951	139277	3.43%	0.306%
76	21.027	3048	3050	3053	rVB	46850	45374	1.12%	0.100%
77	21.133	3065	3068	3073	rBV	70121	107905	2.66%	0.237%
78	21.174	3073	3075	3081	rVB	65434	92547	2.28%	0.203%
79	21.568	3138	3142	3148	rBV	167813	225680	5.56%	0.496%
80	21.733	3162	3170	3173	rBV3	238622	457576	11.27%	1.005%
81	21.762	3173	3175	3180	rVB	161983	195973	4.83%	0.430%
82	21.815	3180	3184	3188	rBV2	274154	375801	9.26%	0.825%
83	21.862	3189	3192	3197	rVB	189684	270527	6.66%	0.594%
84	21.915	3197	3201	3205	rBV2	153927	191942	4.73%	0.422%
85	22.086	3224	3230	3236	rBV3	1109146	2578424	63.51%	5.663%
86	22.139	3236	3239	3250	rVB	1134680	1566494	38.59%	3.441%
87	22.274	3257	3262	3267	rBV	193628	313108	7.71%	0.688%
88	22.339	3268	3273	3278	rBV2	706407	1026917	25.30%	2.256%
89	22.444	3287	3291	3296	rVB	164770	231053	5.69%	0.507%
90	22.592	3311	3316	3320	rBV	313089	436873	10.76%	0.960%
91	22.939	3372	3375	3379	rVB3	73252	106549	2.62%	0.234%
92	23.903	3531	3539	3544	rBV	954940	2515721	61.97%	5.526%
93	24.097	3568	3572	3578	rVB	115193	199788	4.92%	0.439%
94	24.468	3628	3635	3640	rBV	544957	1164276	28.68%	2.557%
95	24.533	3641	3646	3649	rVV	336502	713229	17.57%	1.567%
96	24.586	3650	3655	3664	rVB	733837	1546169	38.09%	3.396%
97	24.697	3667	3674	3679	rVV	382494	842688	20.76%	1.851%
98	24.756	3680	3684	3694	rVB	214290	434823	10.71%	0.955%
99	27.432	4129	4139	4150	rVB2	438226	1486151	36.61%	3.264%
100	28.285	4276	4284	4301	rVB	346170	1265277	31.17%	2.779%

Sum of corrected areas: 45528574

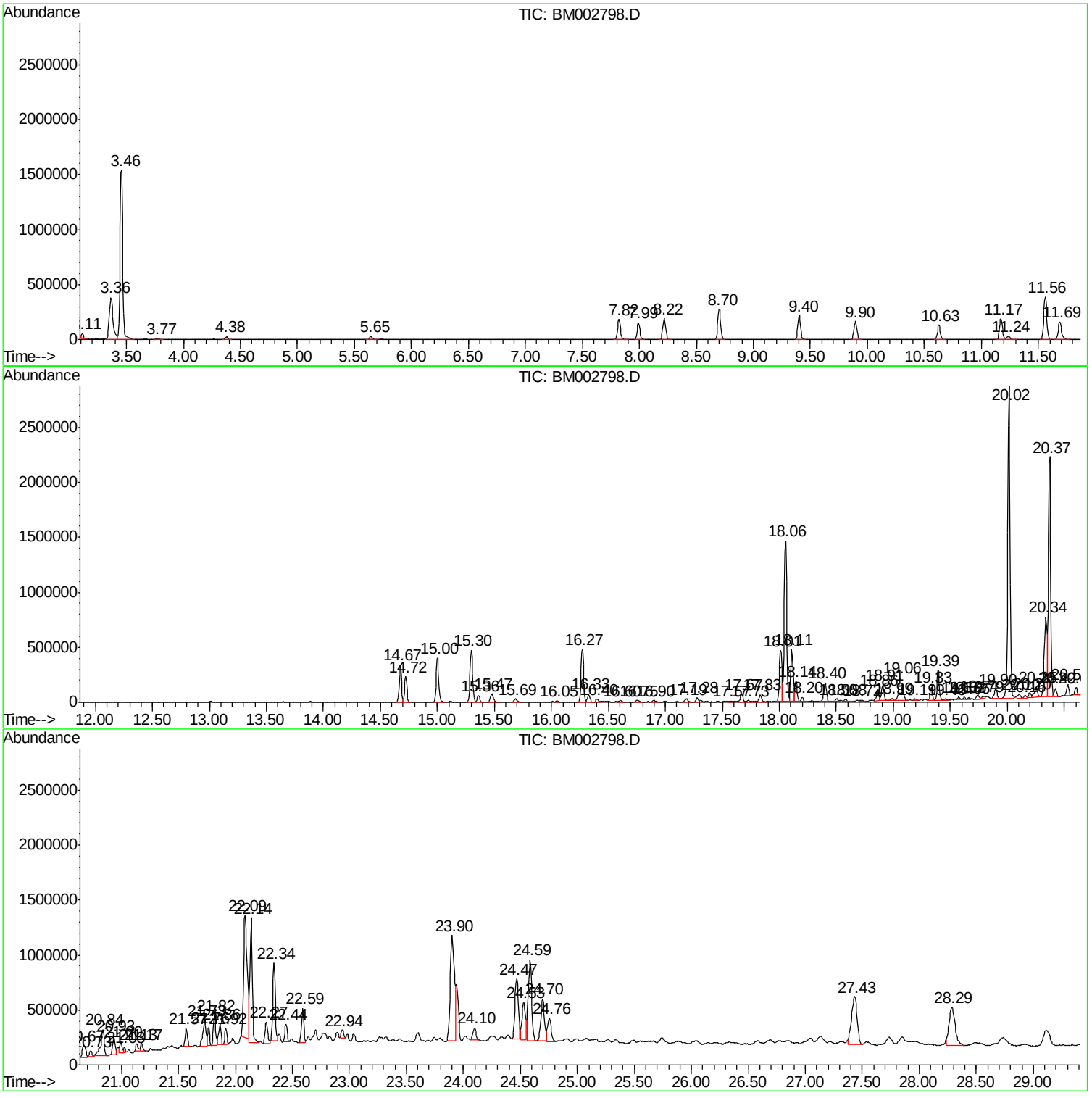
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
Data File : BM002798.D
Acq On : 01 Oct 2015 01:01
Operator : UM/IZ
Sample : G3798-22
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9G74

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.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\BM092915\
Data File : BM002798.D
Acq On : 01 Oct 2015 01:01
Operator : UM/IZ
Sample : G3798-22
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9G74

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

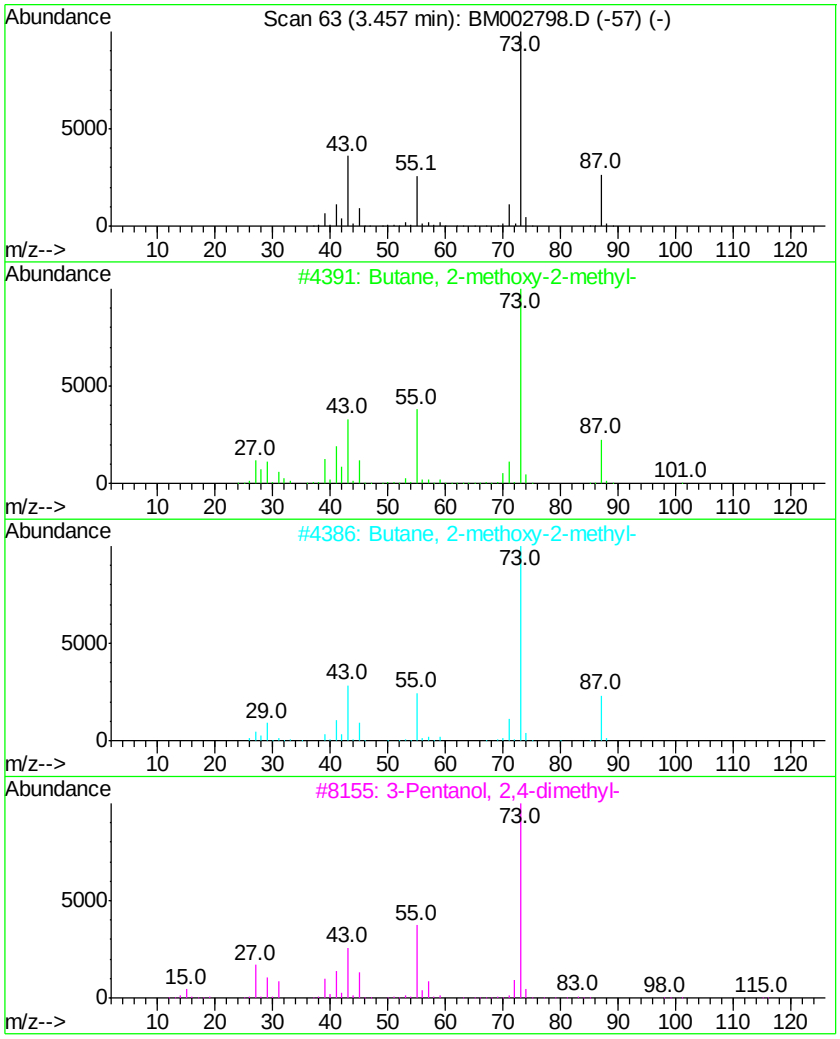
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

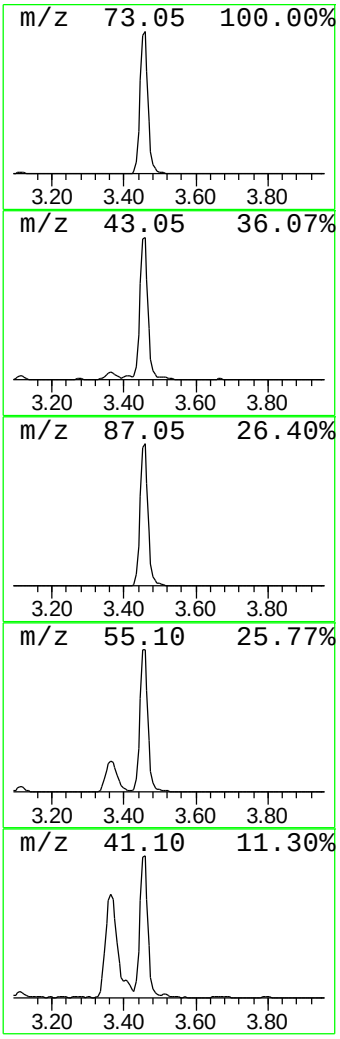
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.46	102.96 ng/ul	2431500	1,4-Dichlorobenzene-d4	8.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
3	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17





Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
Data File : BM002798.D
Acq On : 01 Oct 2015 01:01
Operator : UM/IZ
Sample : G3798-22
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9G74

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

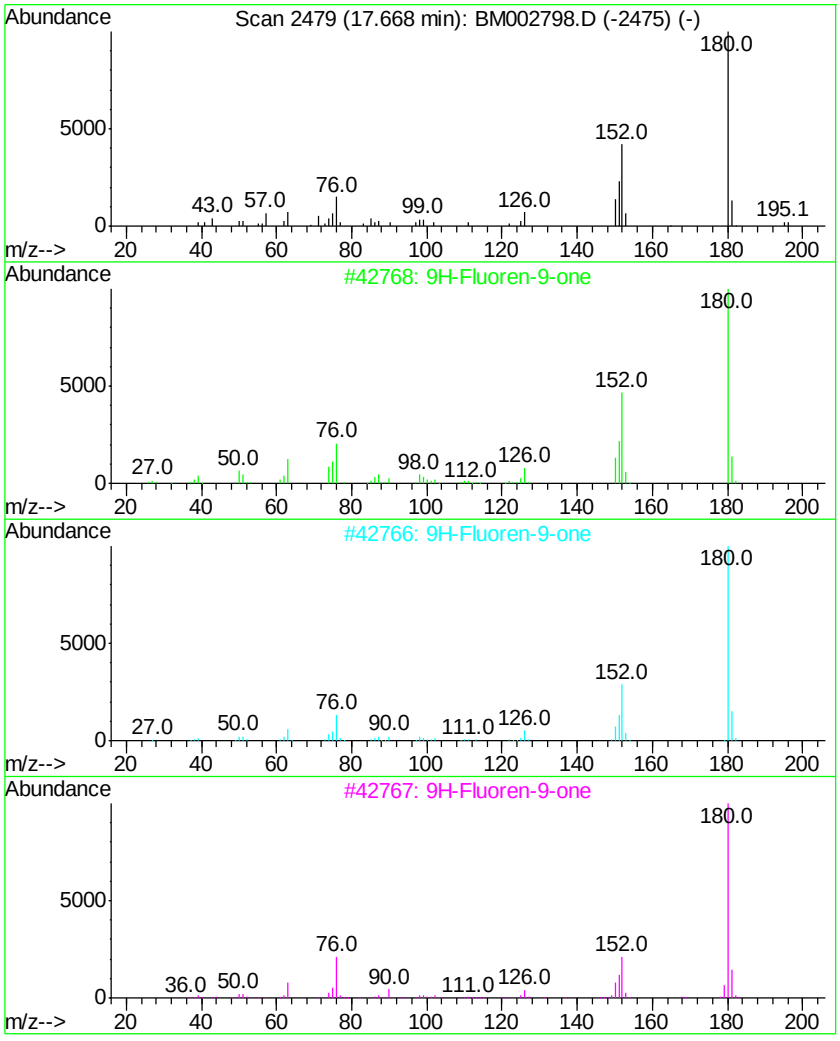
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

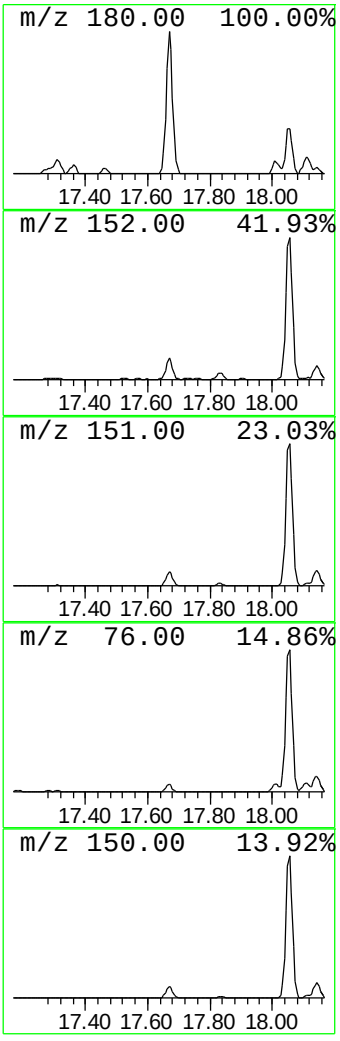
****

Peak Number 3 9H-Fluoren-9-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.67	2.95 ng/ul	103968	Phenanthrene-d10	18.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	62





Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
Data File : BM002798.D
Acq On : 01 Oct 2015 01:01
Operator : UM/IZ
Sample : G3798-22
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9G74

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

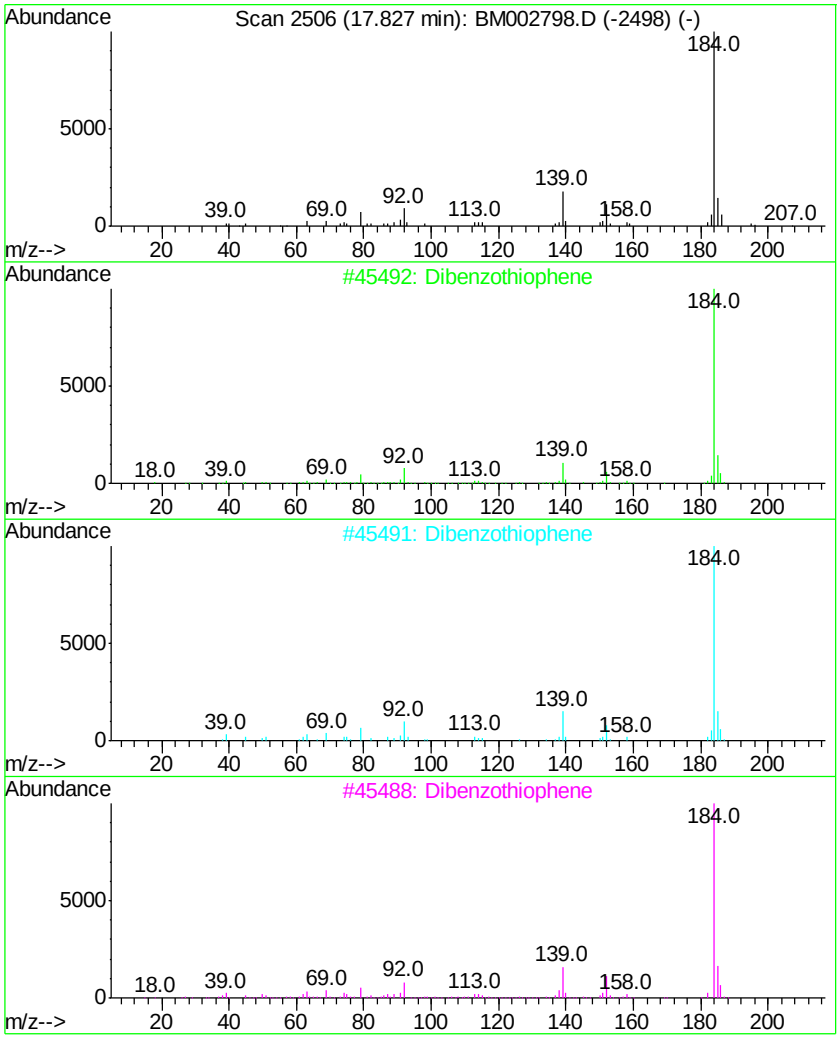
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

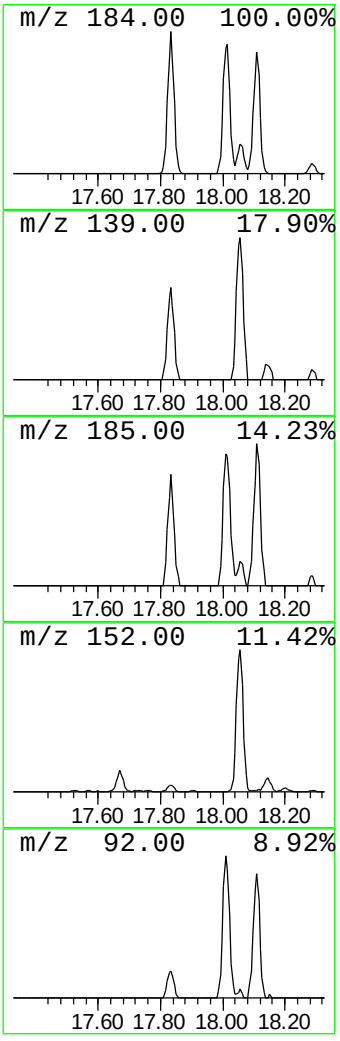
****

Peak Number 4 Dibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.83	2.77 ng/ul	97624	Phenanthrene-d10	18.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	96
3	Dibenzothiophene	184	C12H8S	000132-65-0	96
4	Dibenzothiophene	184	C12H8S	000132-65-0	96
5	Dibenzothiophene	184	C12H8S	000132-65-0	94





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
Data File : BM002798.D
Acq On : 01 Oct 2015 01:01
Operator : UM/IZ
Sample : G3798-22
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9G74

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

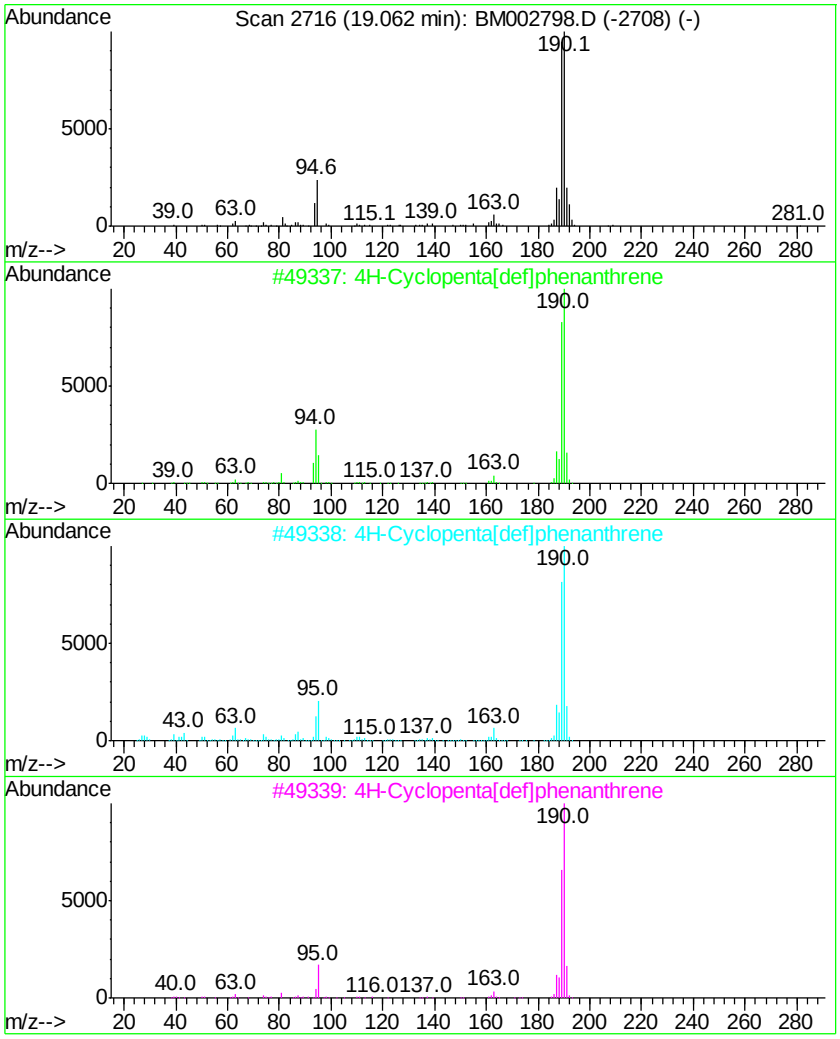
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

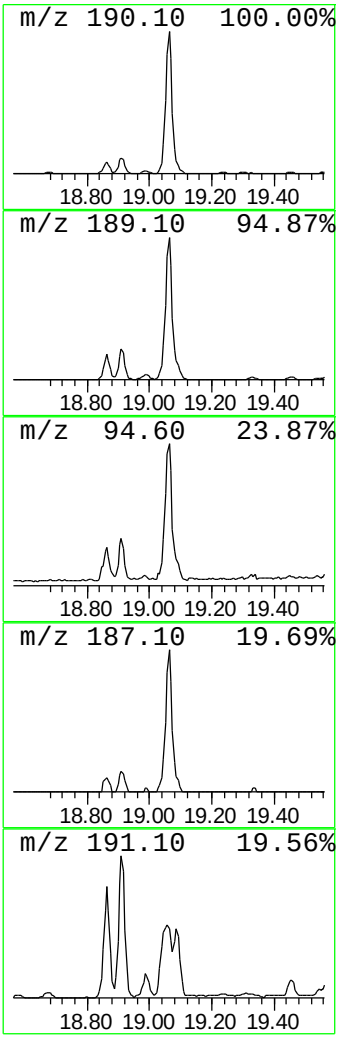
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.06	12.27 ng/ul	431750	Phenanthrene-d10	18.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	96
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
4	Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	64
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50





Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
Data File : BM002798.D
Acq On : 01 Oct 2015 01:01
Operator : UM/IZ
Sample : G3798-22
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9G74

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

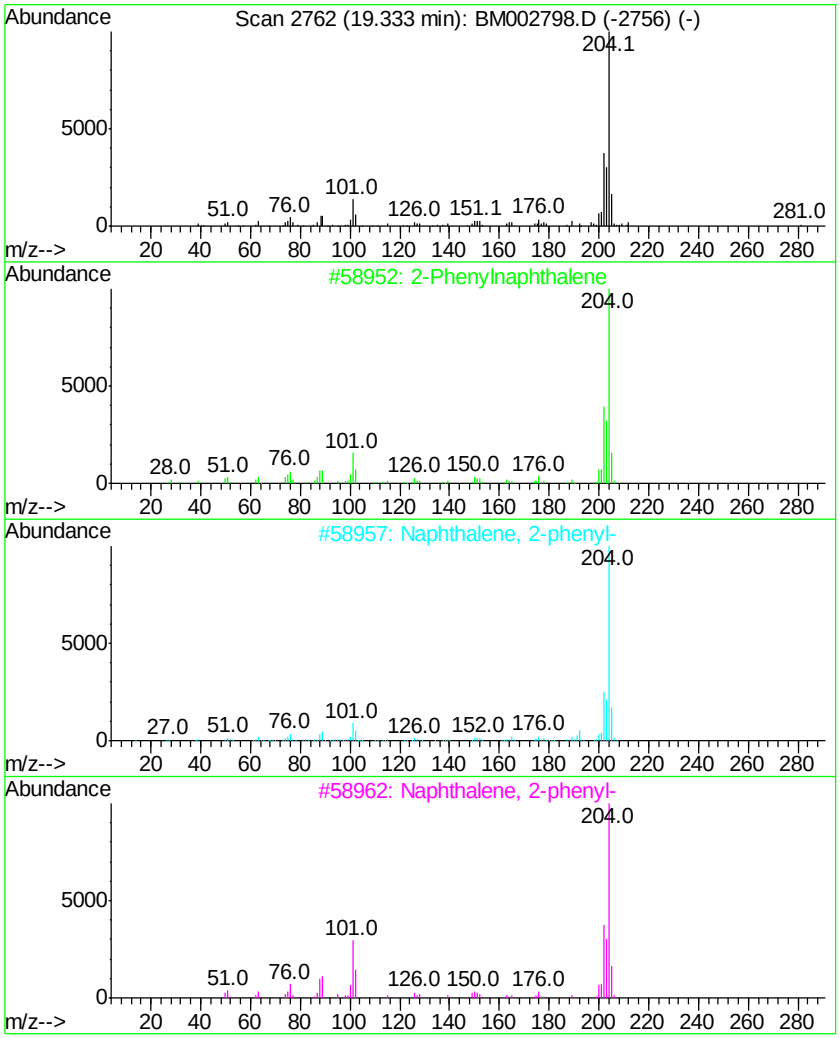
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

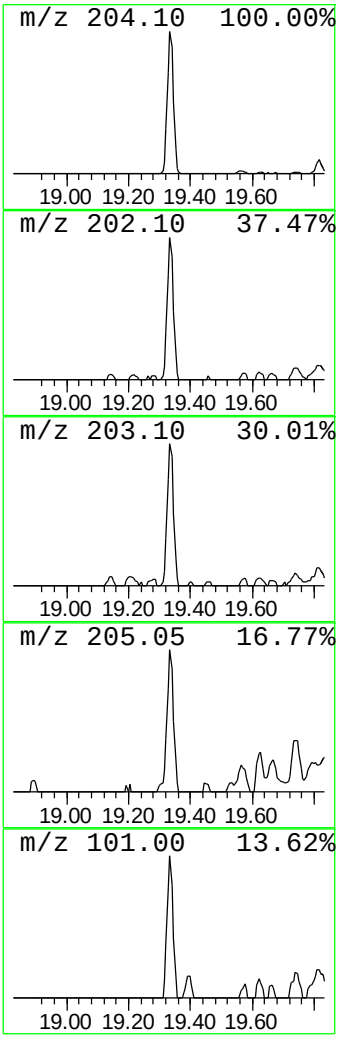
****

Peak Number 6 2-Phenylnaphthalene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.33	4.76 ng/ul	167715	Phenanthrene-d10	18.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	96
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
4	6-Phenylbenzocycloheptен-7-one	232	C17H12O	093327-56-1	91
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	90





Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
Data File : BM002798.D
Acq On : 01 Oct 2015 01:01
Operator : UM/IZ
Sample : G3798-22
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9G74

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

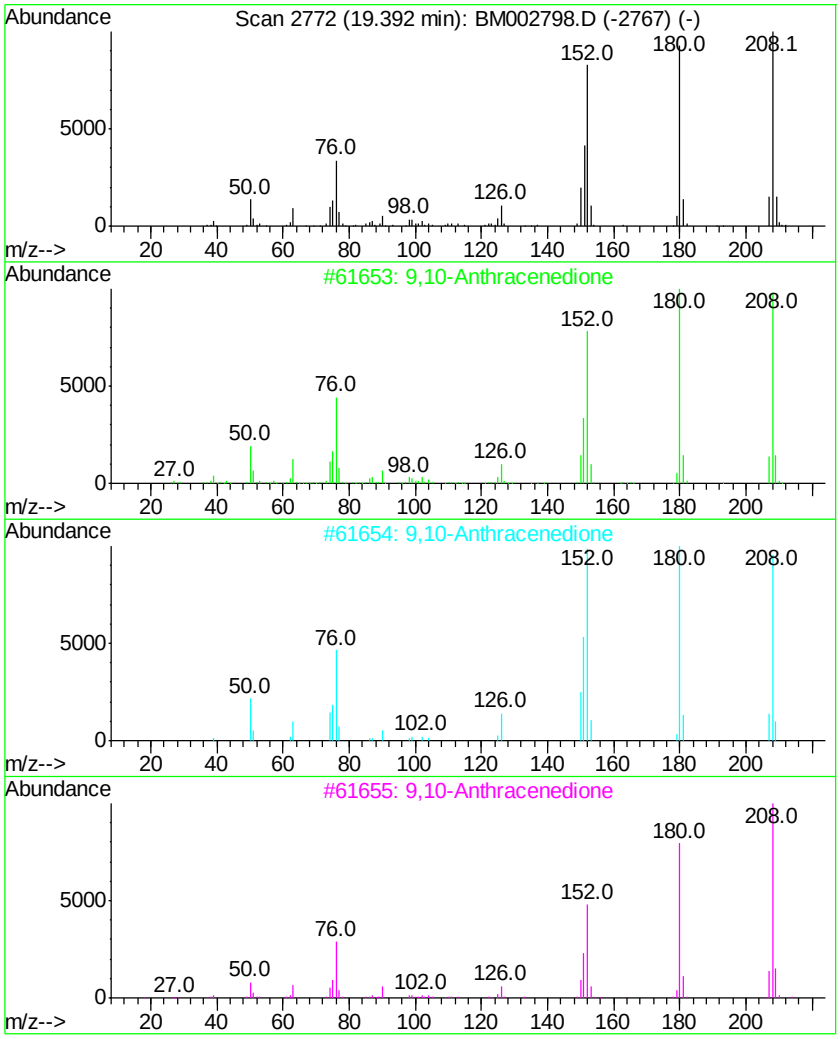
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

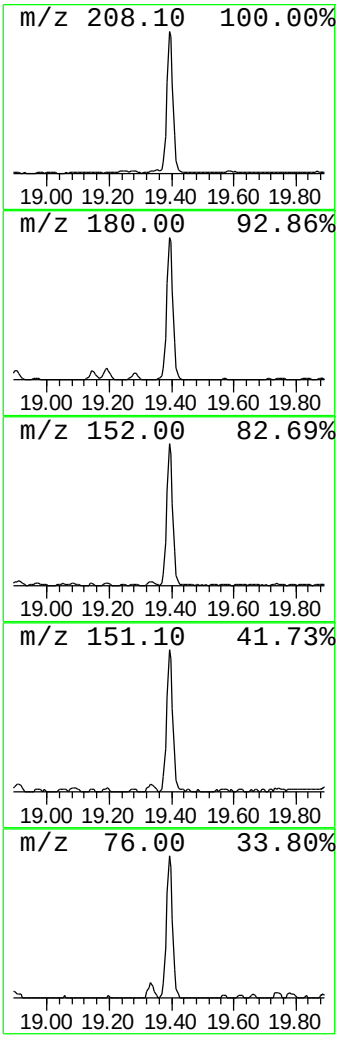
****

Peak Number 7 9,10-Anthracenedione Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.39	10.96 ng/ul	385825	Phenanthrene-d10	18.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64





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Sample : G3798-22
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ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9G74

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Quant Title : SVOA CALIBRATION

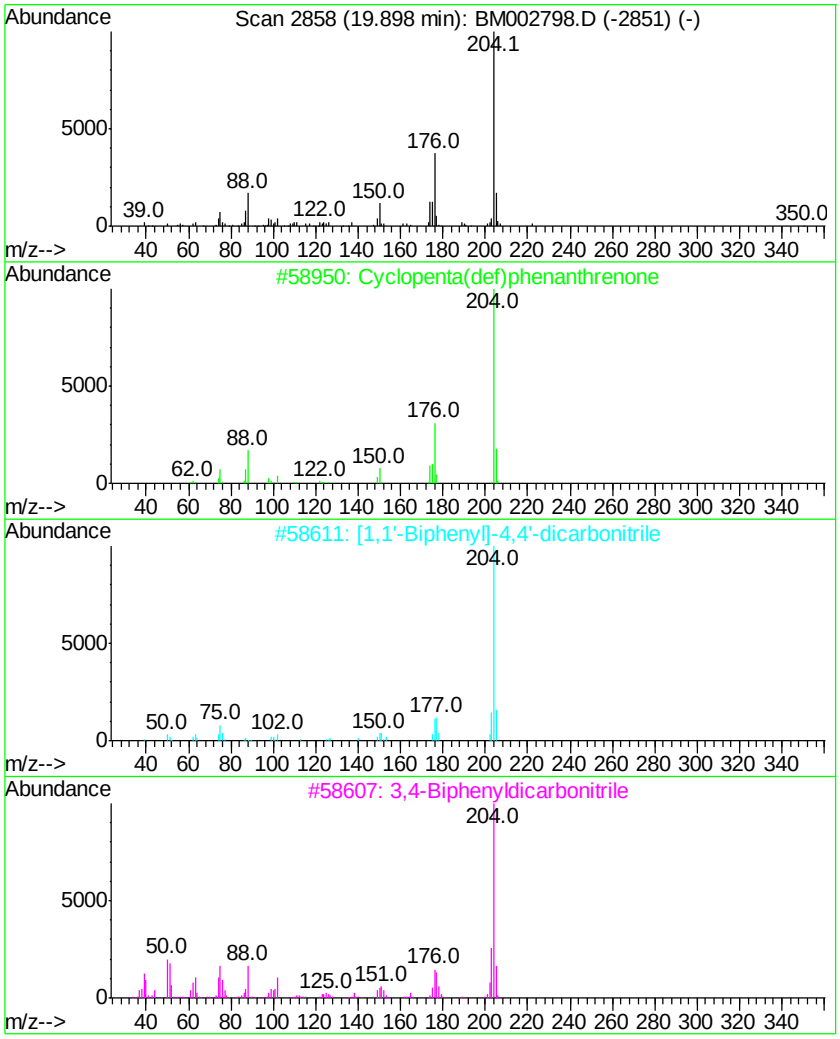
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

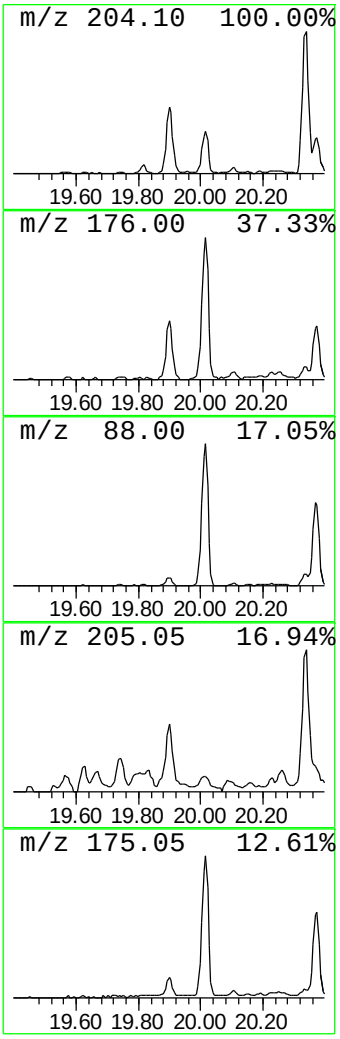
****

Peak Number 8 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.90	4.26 ng/ul	149854	Phenanthrene-d10	18.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	98
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	64
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	47





Library Search Compound Report

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Operator : UM/IZ
Sample : G3798-22
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9G74

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Quant Title : SVOA CALIBRATION

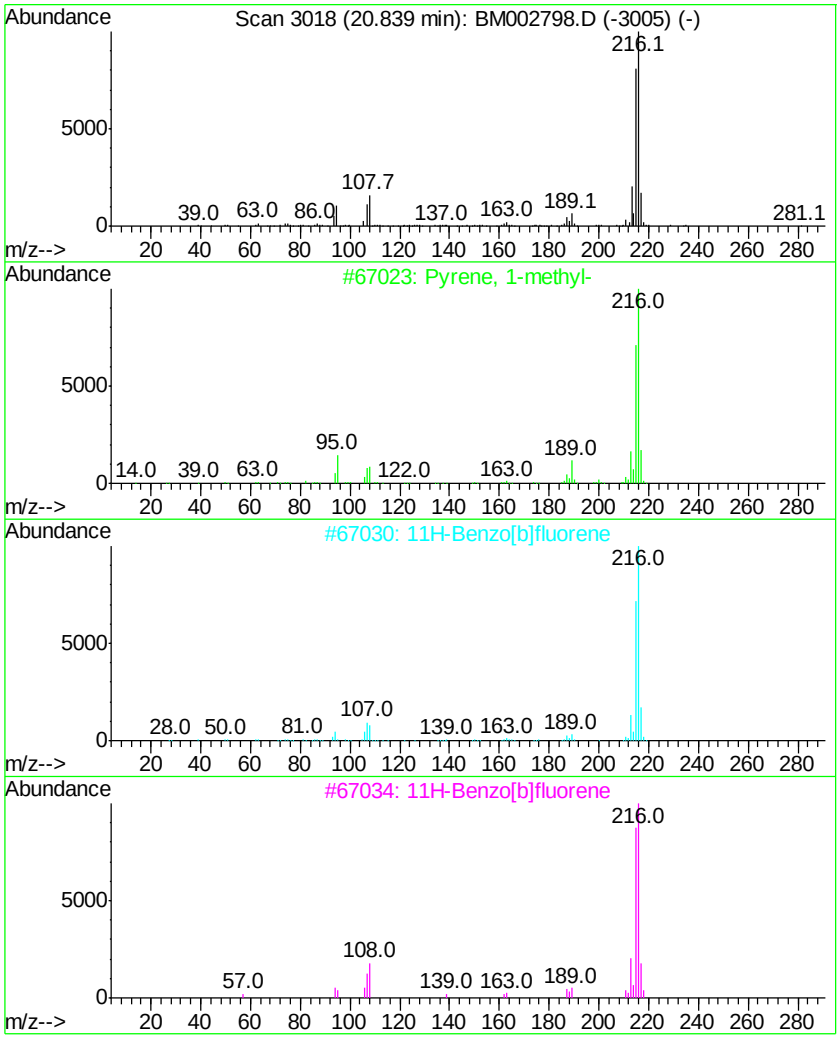
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

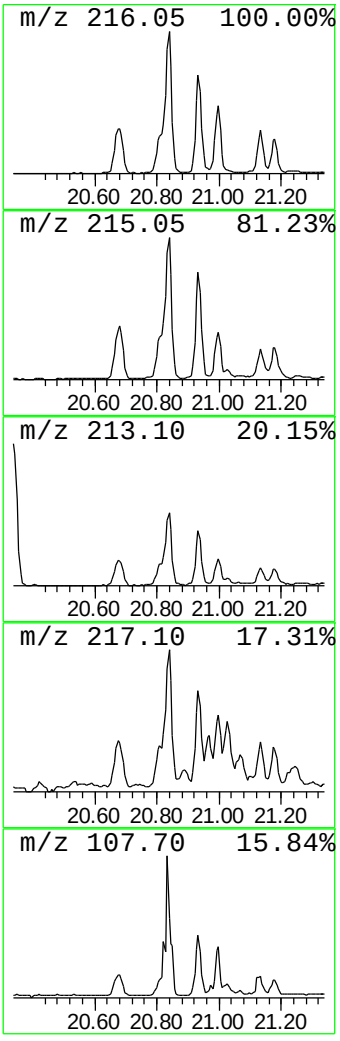
****

Peak Number 9 Pyrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.84	3.87 ng/ul	499355	Chrysene-d12	22.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91





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Operator : UM/IZ
Sample : G3798-22
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9G74

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

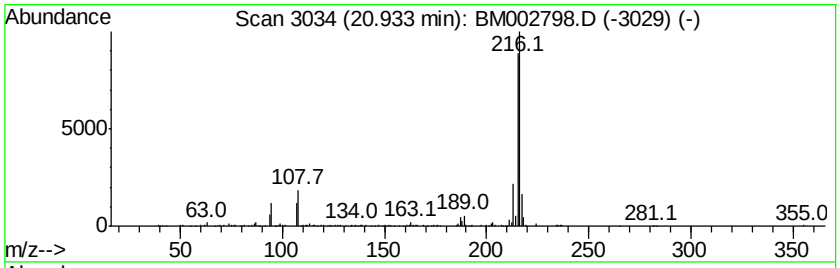
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

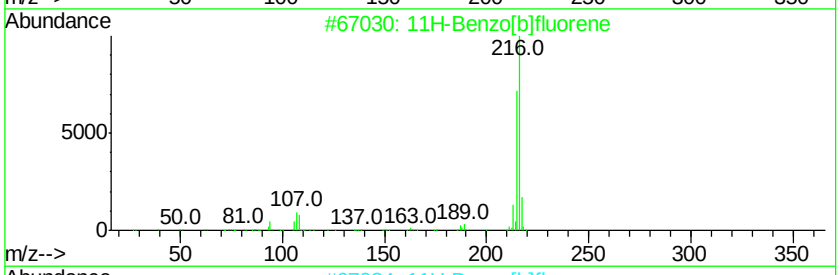
****

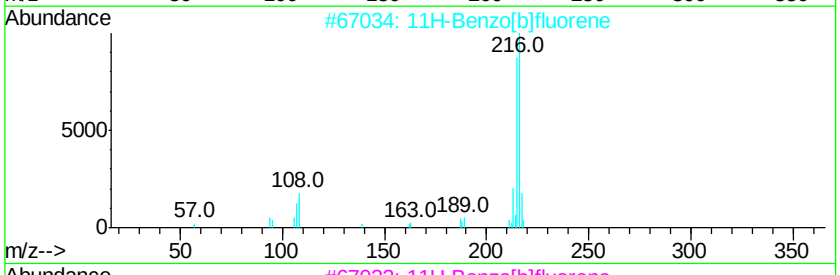
Peak Number 10 11H-Benzo[b]fluorene Concentration Rank 19

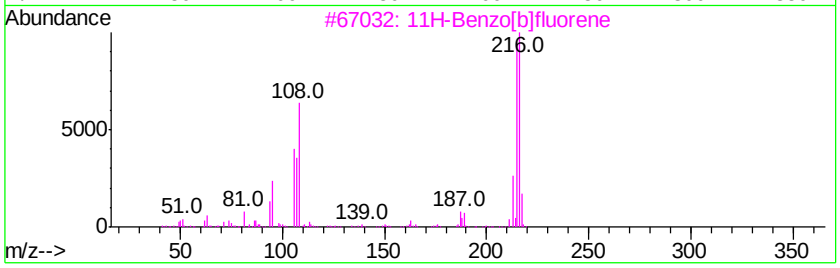
R.T.	EstConc	Area	Relative to ISTD	R.T.
20.93	2.02 ng/ul	259885	Chrysene-d12	22.10

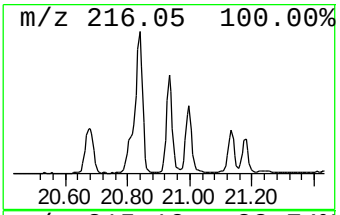
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87

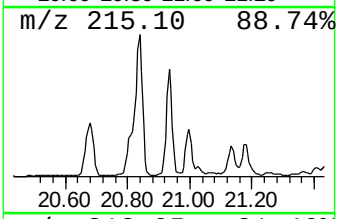


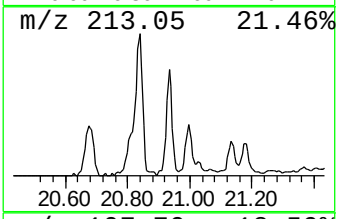


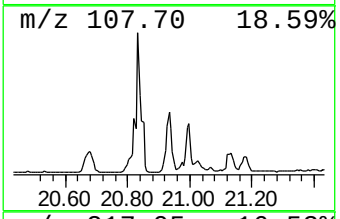


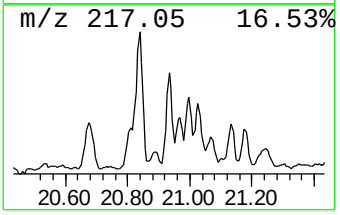












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Data File : BM002798.D
Acq On : 01 Oct 2015 01:01
Operator : UM/IZ
Sample : G3798-22
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9G74

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

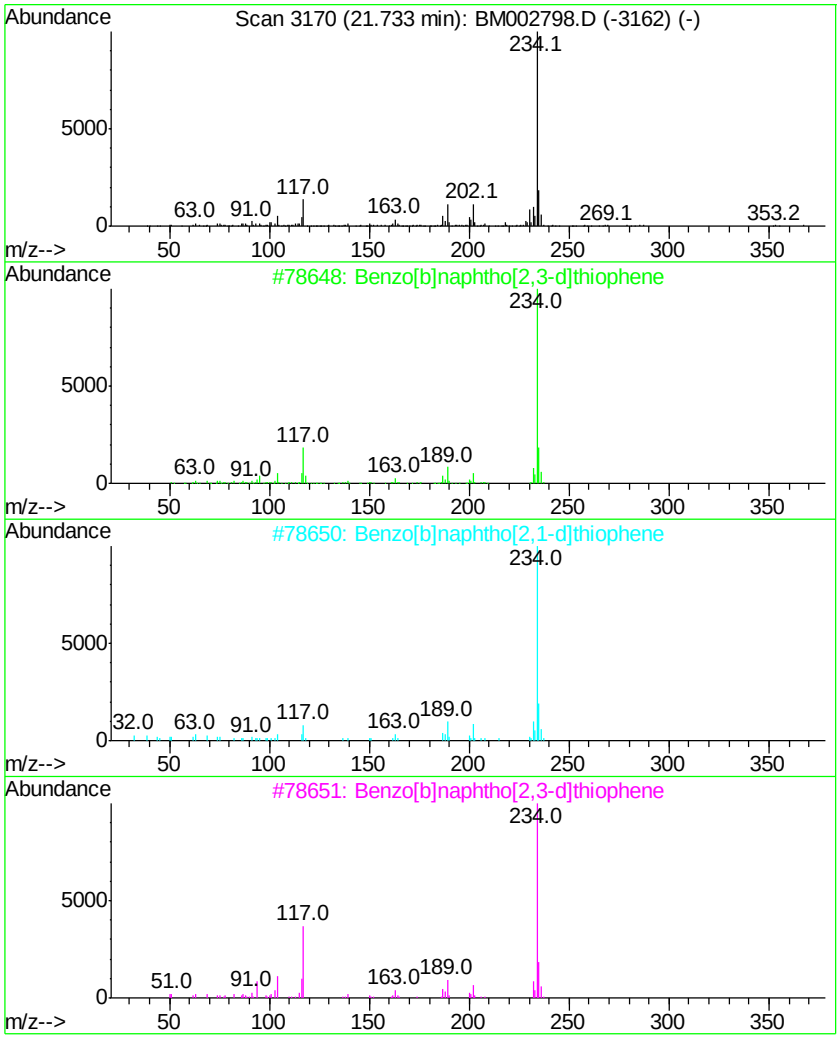
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

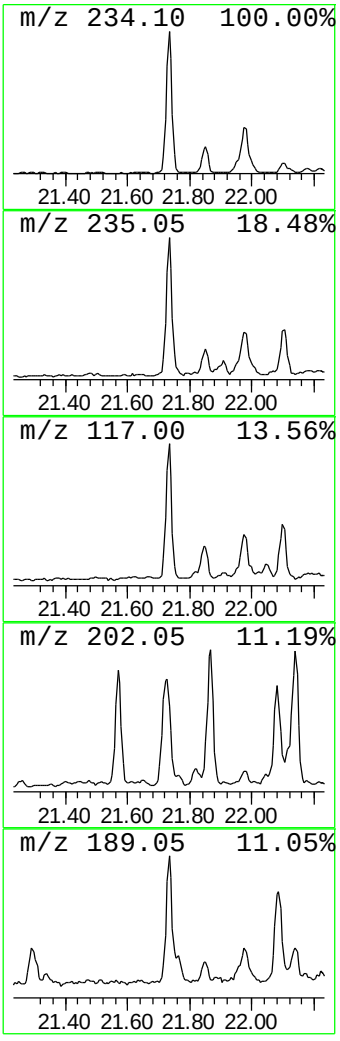
****

Peak Number 11 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.73	3.55 ng/ul	457576	Chrysene-d12	22.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	96
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94





Library Search Compound Report

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Instrument : BNA_M
ClientSampleId : D9G74

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Quant Title : SVOA CALIBRATION

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

****

Peak Number 13 11H-Benzo[a]fluoren-11-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.86	2.10 ng/ul	270527	Chrysene-d12	22.10

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	91
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74
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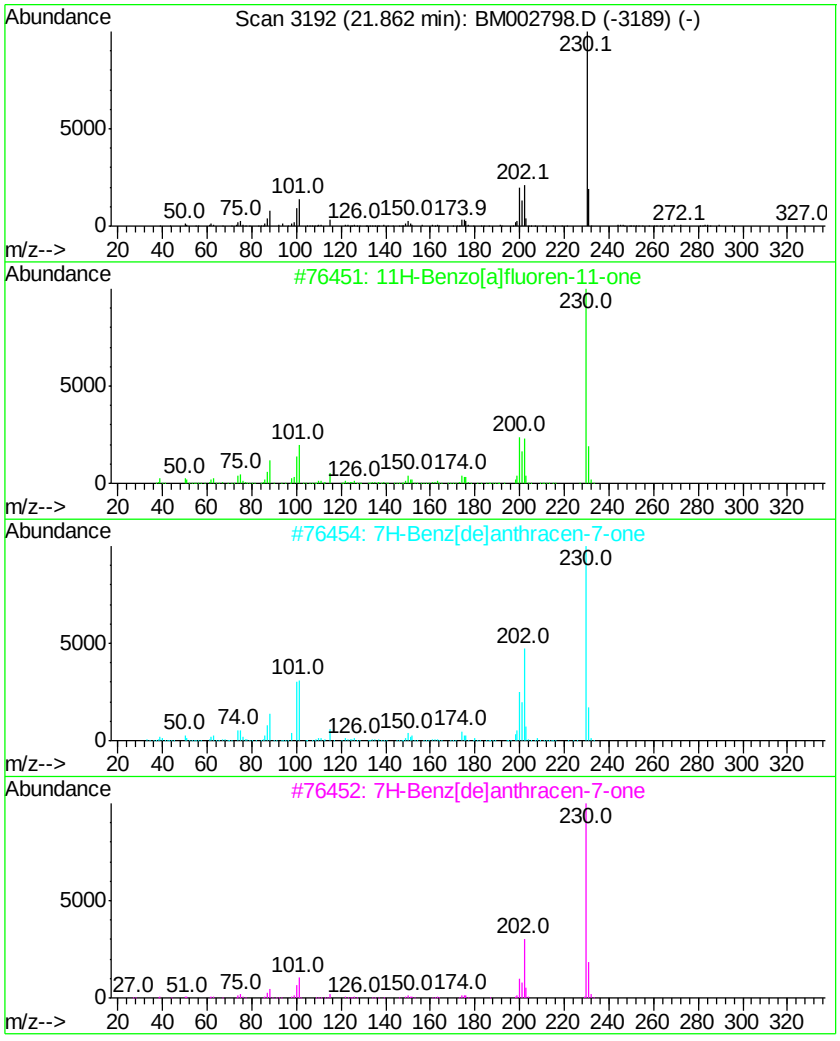

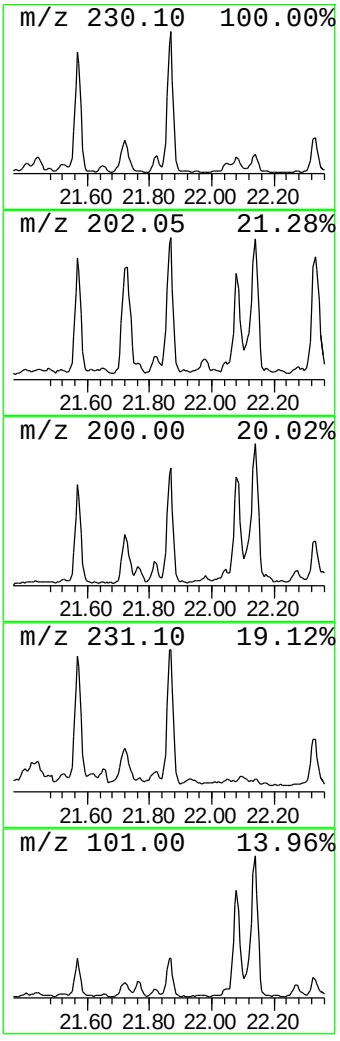

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Sample : G3798-22
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ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9G74

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Quant Title : SVOA CALIBRATION

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

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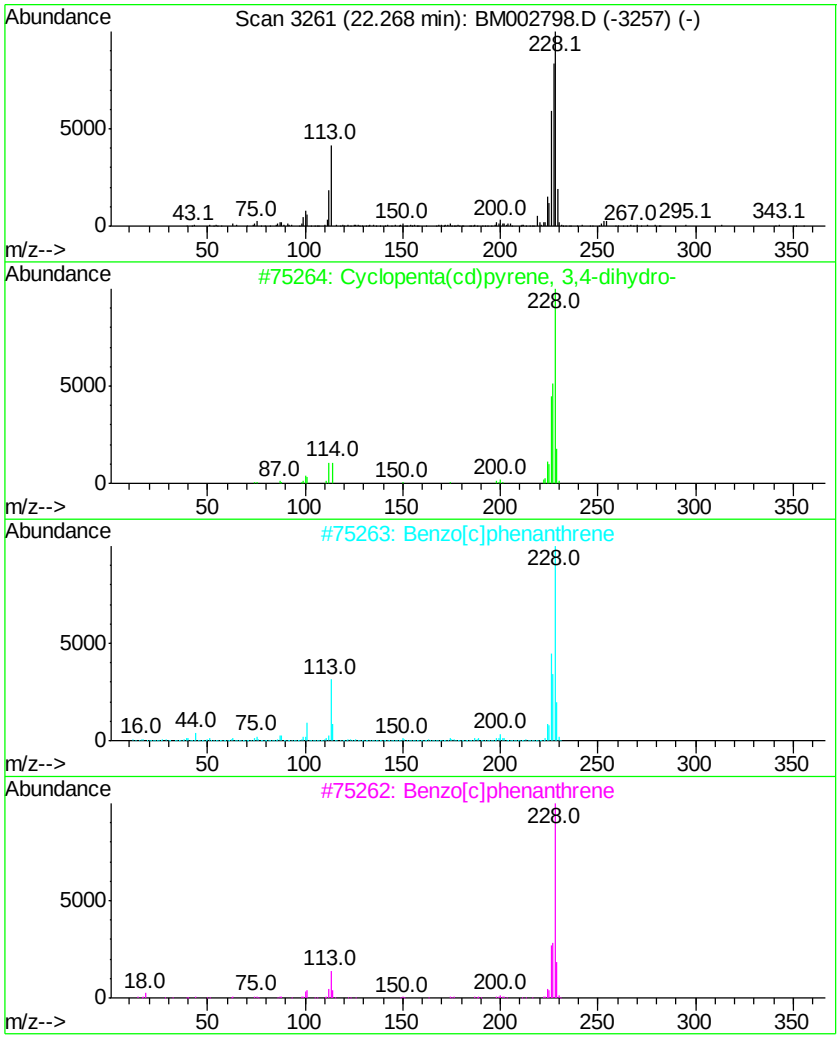
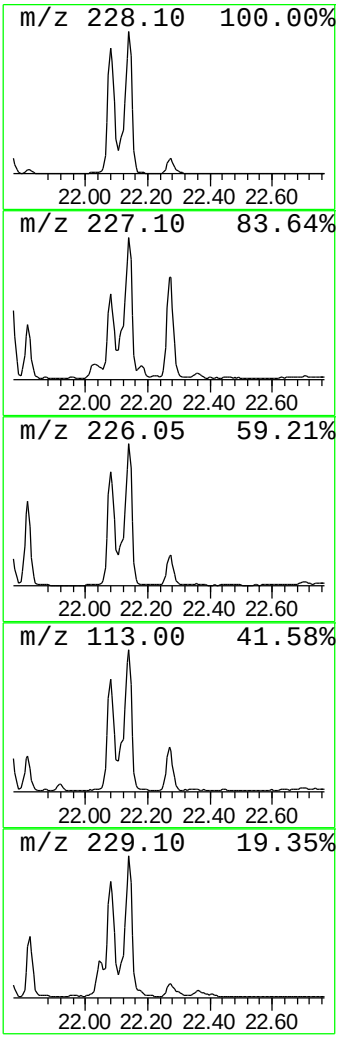
Peak Number 14 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.27	2.43 ng/ul	313108	Chrysene-d12	22.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	60
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	55
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	53
4	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	47
5	1(2H)-Phenanthrenone, 3,4,9,10-t...	228	C15H16O2	014427-61-3	47





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Operator : UM/IZ
Sample : G3798-22
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9G74

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

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

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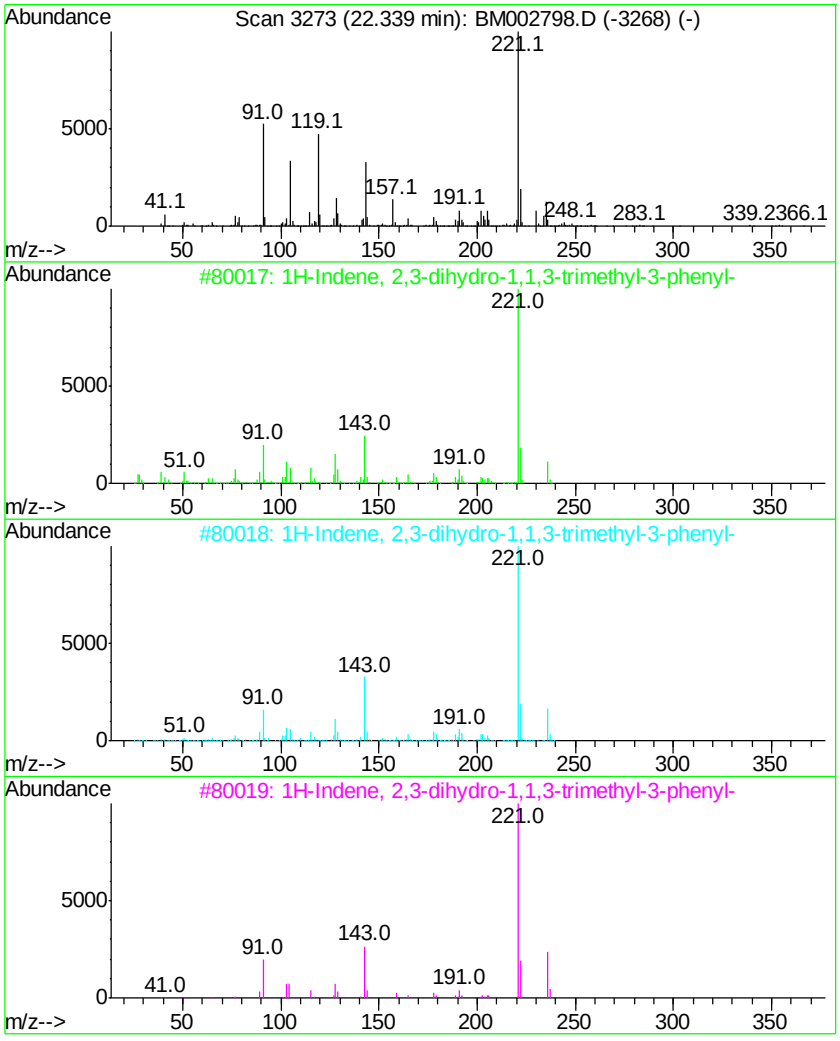
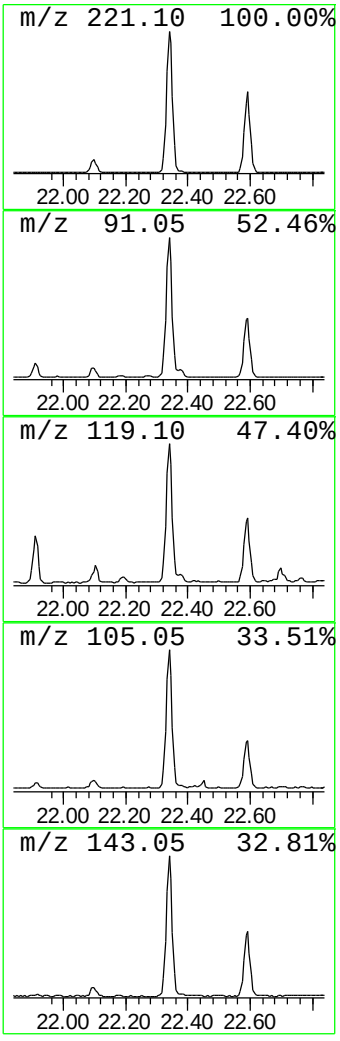
Peak Number 15 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.34	7.97 ng/ul	1026920	Chrysene-d12	22.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,3-tri...	236	C18H20	003910-35-8	49
2	1H-Indene, 2,3-dihydro-1,1,3-tri...	236	C18H20	003910-35-8	47
3	1H-Indene, 2,3-dihydro-1,1,3-tri...	236	C18H20	003910-35-8	40
4	Benz[j]isoquinoline, 3,6,8-trime...	221	C16H15N	061171-16-2	38
5	Benzene, 1,1'-(1,3,3-trimethyl-1...	236	C18H20	006258-73-7	38





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Instrument : BNA_M
ClientSampleId : D9G74

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Quant Title : SVOA CALIBRATION

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

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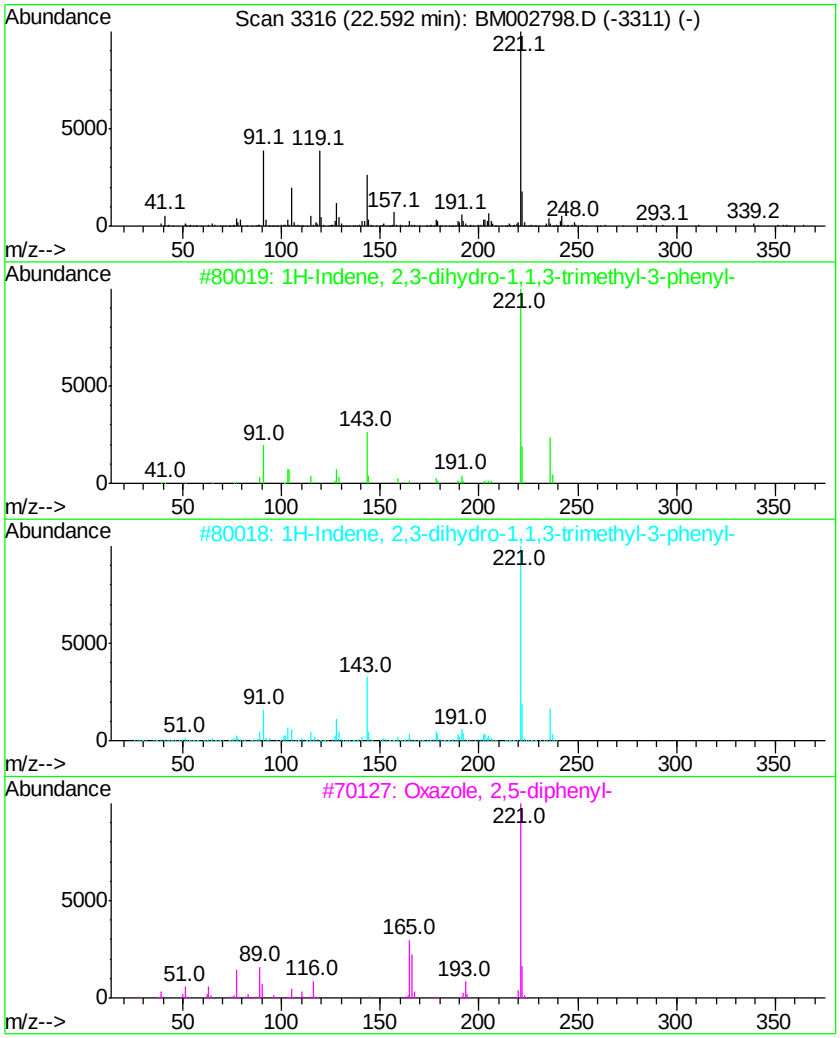
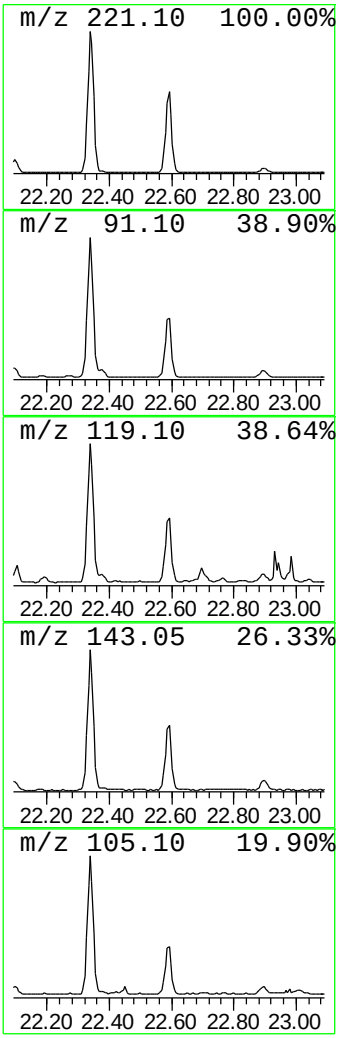
Peak Number 16 unknown-02 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.59	3.39 ng/ul	436873	Chrysene-d12	22.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,3-tri...	236	C18H20	003910-35-8	47
2	1H-Indene, 2,3-dihydro-1,1,3-tri...	236	C18H20	003910-35-8	38
3	Oxazole, 2,5-diphenyl-	221	C15H11NO	000092-71-7	35
4	Benz[j]isoquinoline, 3,6,8-trime...	221	C16H15N	061171-16-2	35
5	Boron, diethyl(5-ethyl-4,6-nonan...	250	C15H31BN2	136705-03-8	35





Tentatively Identified Compound (LSC) summary

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Data File : BM002798.D
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Operator : UM/IZ
Sample : G3798-22
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.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
Butane, 2-methoxy...	3.46	103.0	ng/ul	2431500	1	8.70	472345	20.0
9H-Fluoren-9-one	17.67	3.0	ng/ul	103968	4	18.01	704035	20.0
Dibenzothiophene	17.83	2.8	ng/ul	97624	4	18.01	704035	20.0
4H-Cyclopenta[def...	19.06	12.3	ng/ul	431750	4	18.01	704035	20.0
2-Phenylnaphthalene	19.33	4.8	ng/ul	167715	4	18.01	704035	20.0
9,10-Anthracenedione	19.39	11.0	ng/ul	385825	4	18.01	704035	20.0
Cyclopenta(def)ph...	19.90	4.3	ng/ul	149854	4	18.01	704035	20.0
Pyrene, 1-methyl-	20.84	3.9	ng/ul	499355	5	22.10	2578420	20.0
11H-Benzo[b]fluorene	20.93	2.0	ng/ul	259885	5	22.10	2578420	20.0
Benzo[b]naphtho[2...	21.73	3.5	ng/ul	457576	5	22.10	2578420	20.0
11H-Benzo[a]fluor...	21.86	2.1	ng/ul	270527	5	22.10	2578420	20.0
Cyclopenta(cd)pyr...	22.27	2.4	ng/ul	313108	5	22.10	2578420	20.0
unknown-01	22.34	8.0	ng/ul	1026920	5	22.10	2578420	20.0
unknown-02	22.59	3.4	ng/ul	436873	5	22.10	2578420	20.0