LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101817\
Data File : BM012311.D
Acq On : 19 Oct 2017 10:25
Operator : SJ/JU
Sample : I5783-02 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-28(0.5-1.5)-100917

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.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	4.951	311	317	322	rBV2	120793	194437	2.28%	0.251%
2	5.187	353	357	365	rVB	69066	120846	1.42%	0.156%
3	5.275	365	372	380	rBV	160857	261394	3.07%	0.337%
4	5.769	450	456	464	rVB4	52283	119402	1.40%	0.154%
5	6.034	492	501	513	rBV5	65753	248700	2.92%	0.321%
6	6.257	528	539	544	rBV3	98033	217987	2.56%	0.281%
7	6.416	558	566	577	rVB6	61021	194853	2.29%	0.251%
8	6.569	587	592	598	rBV3	48372	85343	1.00%	0.110%
9	6.751	618	623	630	rVB3	57938	95728	1.12%	0.123%
10	6.898	643	648	655	rVB2	125283	210565	2.47%	0.271%
11	6.969	655	660	669	rBV2	100999	262274	3.08%	0.338%
12	7.122	681	686	694	rBV	88003	197520	2.32%	0.255%
13	7.257	703	709	714	rVV4	60675	112141	1.32%	0.145%
14	7.322	714	720	732	rVB	187494	371499	4.36%	0.479%
15	7.681	771	781	786	rBV8	47213	134757	1.58%	0.174%
16	7.781	792	798	811	rVB	1083955	1896401	22.24%	2.445%
17	8.322	886	890	899	rVB3	80583	169665	1.99%	0.219%
18	8.422	899	907	914	rBV3	65036	146821	1.72%	0.189%
19	8.516	916	923	932	rBV	142843	343866	4.03%	0.443%
20	8.875	972	984	992	rVB6	80927	215622	2.53%	0.278%
21	8.963	992	999	1014	rBV	155225	367322	4.31%	0.474%
22	9.122	1020	1026	1034	rVB9	41037	112162	1.32%	0.145%
23	9.404	1068	1074	1077	rBV	62686	110472	1.30%	0.142%
24	9.463	1077	1084	1100	rVB2	106967	296112	3.47%	0.382%
25	9.686	1109	1122	1128	rBV4	112615	313539	3.68%	0.404%
26	9.975	1159	1171	1177	rBV5	66828	170020	1.99%	0.219%
27	10.239	1208	1216	1230	rBV2	118491	375504	4.40%	0.484%
28	10.586	1267	1275	1282	rBV	1476916	2668238	31.29%	3.440%
29	10.751	1299	1303	1315	rVB3	74207	204928	2.40%	0.264%
30	13.845	1820	1829	1833	rVV	456386	704914	8.27%	0.909%
31	13.892	1833	1837	1842	rVB	268391	380203	4.46%	0.490%
32	14.133	1872	1878	1889	rBV2	434095	853643	10.01%	1.101%
33	14.245	1893	1897	1903	rVB2	66926	109347	1.28%	0.141%
34	14.439	1924	1930	1937	rBV2	2124762	3259258	38.22%	4.202%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101817\
Data File : BM012311.D
Acq On : 19 Oct 2017 10:25
Operator : SJ/JU
Sample : I5783-02 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-28(0.5-1.5)-100917

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Title : SVOA CALIBRATION

35	14.504	1937	1941	1952	rVB	88738	161663	1.90%	0.208%
36	14.839	1995	1998	2007	rVB3	50662	102514	1.20%	0.132%
37	15.057	2030	2035	2041	rBV6	52171	115520	1.35%	0.149%
38	15.210	2057	2061	2067	rBV6	59926	127577	1.50%	0.164%
39	15.433	2094	2099	2105	rBV	528889	784706	9.20%	1.012%
40	15.486	2105	2108	2114	rVB	98872	156529	1.84%	0.202%
41	15.933	2180	2184	2190	rBV4	48029	115419	1.35%	0.149%
42	16.151	2215	2221	2226	rVB2	110035	196555	2.31%	0.253%
43	16.498	2272	2280	2284	rBV5	85205	222920	2.61%	0.287%
44	17.009	2364	2367	2375	rVB	116263	159426	1.87%	0.206%
45	17.186	2392	2397	2401	rBV2	2283824	3344785	39.23%	4.313%
46	17.233	2401	2405	2410	rVV	1934030	2726973	31.98%	3.516%
47	17.286	2410	2414	2417	rVV2	495423	715069	8.39%	0.922%
48	17.321	2417	2420	2425	rVB	463318	641835	7.53%	0.828%
49	17.704	2482	2485	2488	rBV	79971	97750	1.15%	0.126%
50	18.062	2542	2546	2550	rBV	542468	796893	9.35%	1.027%
51	18.109	2550	2554	2562	rVB	544126	803746	9.43%	1.036%
52	18.192	2564	2568	2573	rBV	254082	380580	4.46%	0.491%
53	18.256	2574	2579	2583	rBV2	601719	1144652	13.42%	1.476%
54	18.562	2627	2631	2635	rBV	346246	469377	5.50%	0.605%
55	18.792	2667	2670	2677	rVB4	265801	464924	5.45%	0.599%
56	18.856	2679	2681	2685	rVB	113164	129066	1.51%	0.166%
57	18.980	2698	2702	2706	rBV	403255	619283	7.26%	0.798%
58	19.250	2742	2748	2752	rBV	4258348	5706135	66.92%	7.357%
59	19.292	2752	2755	2760	rVV2	504338	719253	8.44%	0.927%
60	19.345	2761	2764	2770	rVV4	186362	272840	3.20%	0.352%
61	19.586	2800	2805	2806	rBV2	1104131	1564429	18.35%	2.017%
62	19.615	2806	2810	2817	rVV	4355610	5904401	69.25%	7.613%
63	19.686	2819	2822	2827	rVB	255922	374934	4.40%	0.483%
64	20.103	2891	2893	2899	rVB	726377	907392	10.64%	1.170%
65	20.209	2907	2911	2914	rBV	527747	669182	7.85%	0.863%
66	20.403	2942	2944	2948	rVB	304440	327546	3.84%	0.422%
67	21.056	3052	3055	3059	rVB	828973	962277	11.29%	1.241%
68	21.362	3102	3107	3112	rBV2	4193217	8526648	100.00%	10.994%
69	21.409	3112	3115	3124	rVB	3367954	4360504	51.14%	5.622%
70	22.986	3377	3383	3388	rBV	3077236	7171829	84.11%	9.247%
71	23.474	3462	3466	3472	rBV	1633465	2680808	31.44%	3.456%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101817\
Data File : BM012311.D
Acq On : 19 Oct 2017 10:25
Operator : SJ/JU
Sample : I5783-02 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-28(0.5-1.5)-100917

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Title : SVOA CALIBRATION

72	23.574	3479	3483	3491	rVB	2632862	4668281	54.75%	6.019%
73	23.674	3496	3500	3505	rVV	1557772	2739678	32.13%	3.532%

Sum of corrected areas: 77559382

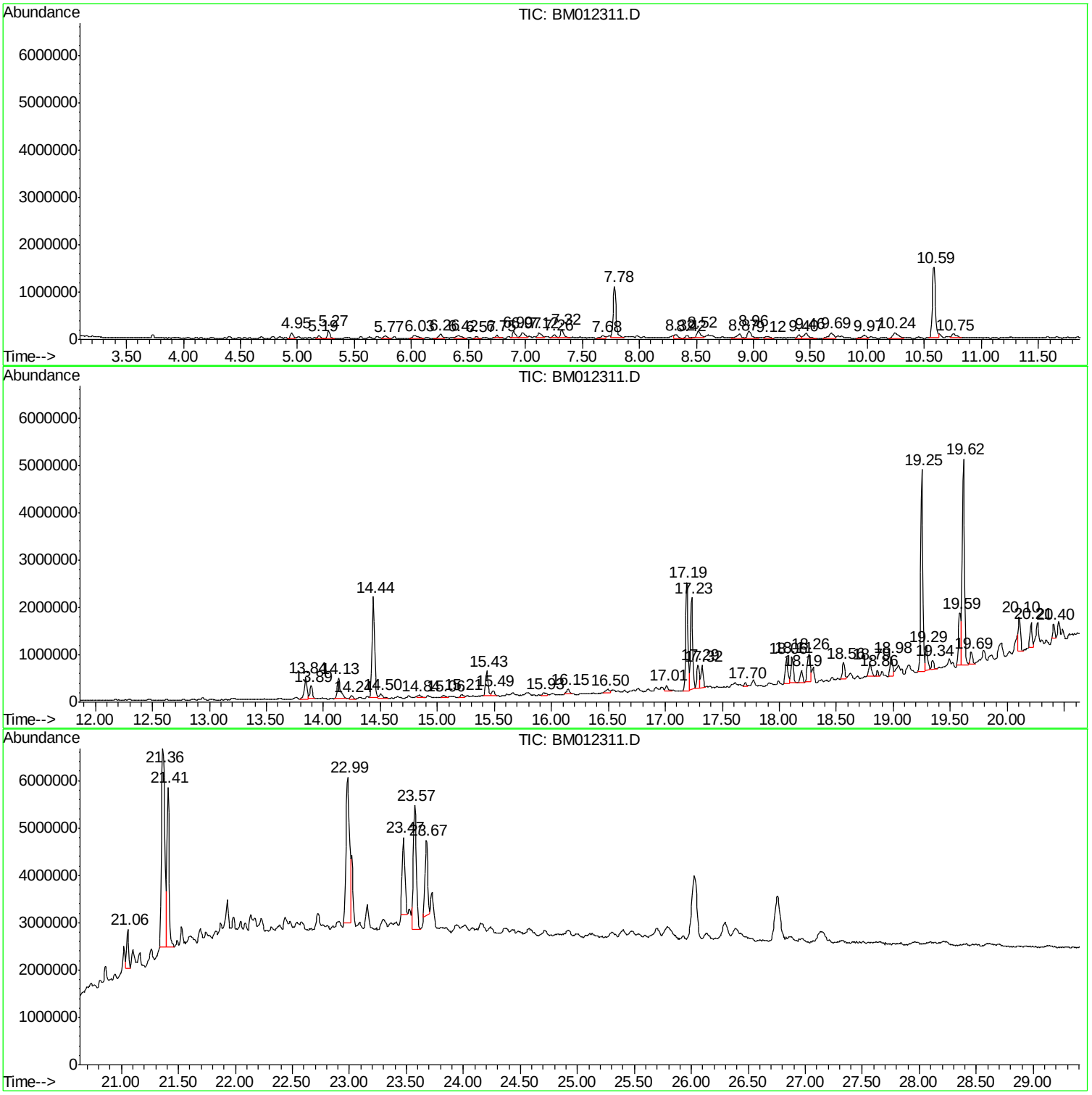
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101817\
Data File : BM012311.D
Acq On : 19 Oct 2017 10:25
Operator : SJ/JU
Sample : I5783-02 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-28(0.5-1.5)-100917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101817\
Data File : BM012311.D
Acq On : 19 Oct 2017 10:25
Operator : SJ/JU
Sample : I5783-02 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-28(0.5-1.5)-100917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

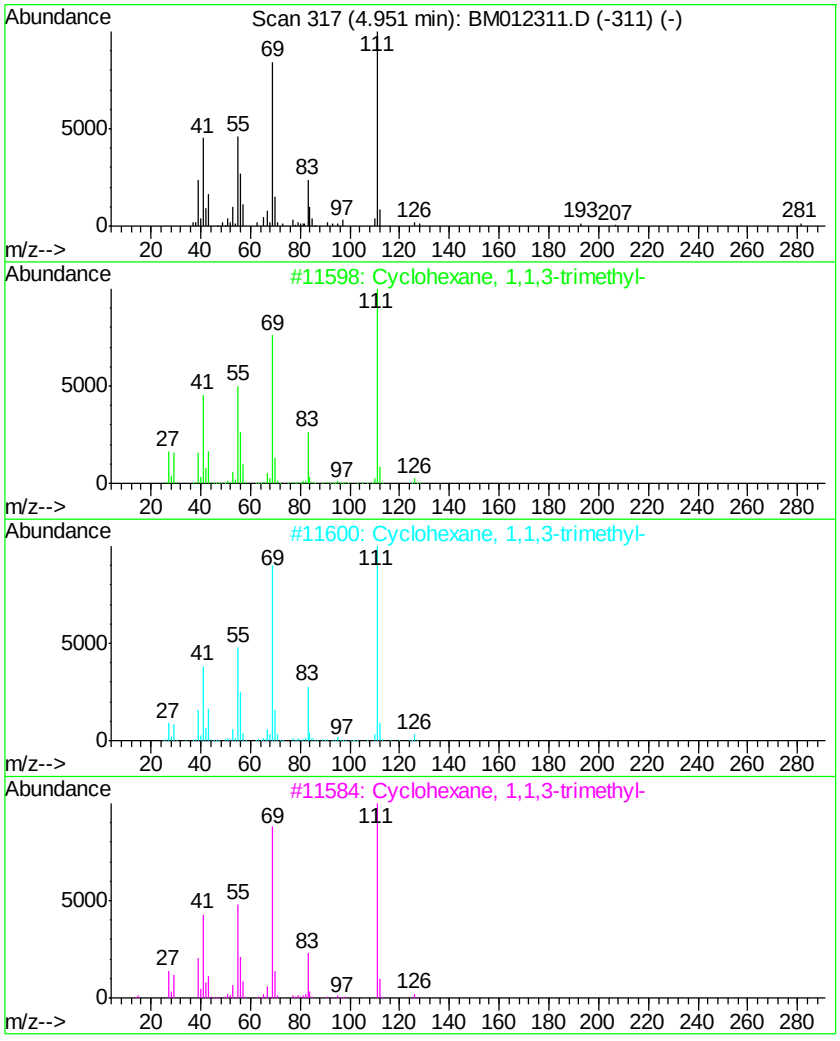
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

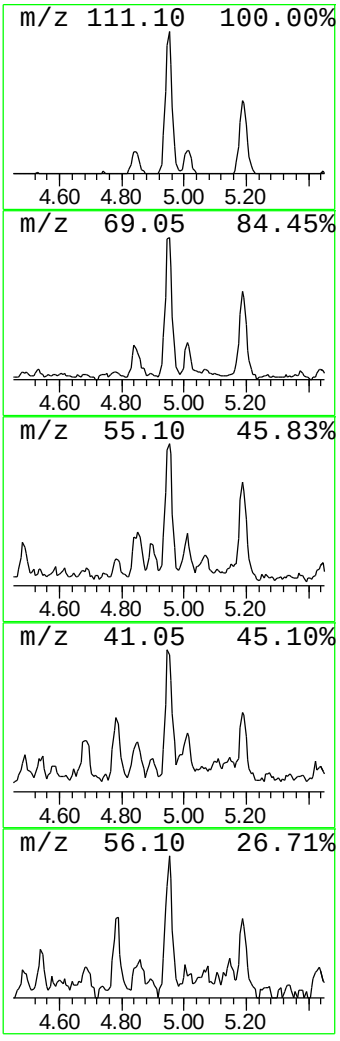
****

Peak Number 1 (DEL) Alkane: Cyclic4.95 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.95	2.05 ng/ul	194437	1,4-Dichlorobenzene-d4	7.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	87
4	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	72
5	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	70





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101817\
Data File : BM012311.D
Acq On : 19 Oct 2017 10:25
Operator : SJ/JU
Sample : I5783-02 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-28(0.5-1.5)-100917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

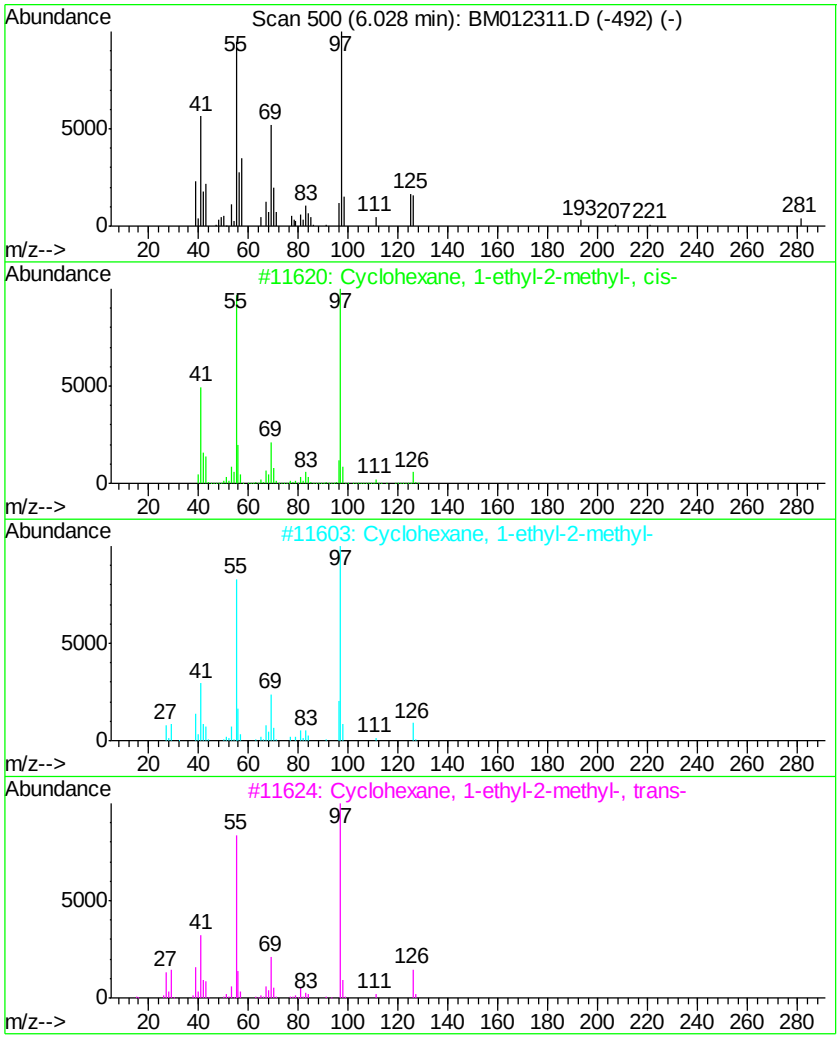
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

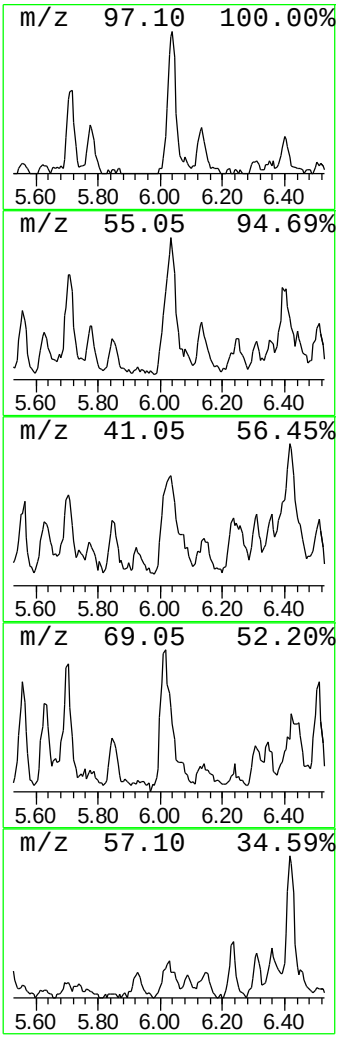
****

Peak Number 3 (DEL) Alkane: Cyclic6.03 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.03	2.62 ng/ul	248700	1,4-Dichlorobenzene-d4	7.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	87
2	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	81
3	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	64
4	Cyclohexane, 1,3-dimethyl-	112	C8H16	000591-21-9	64
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	64





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101817\
Data File : BM012311.D
Acq On : 19 Oct 2017 10:25
Operator : SJ/JU
Sample : I5783-02 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-28(0.5-1.5)-100917

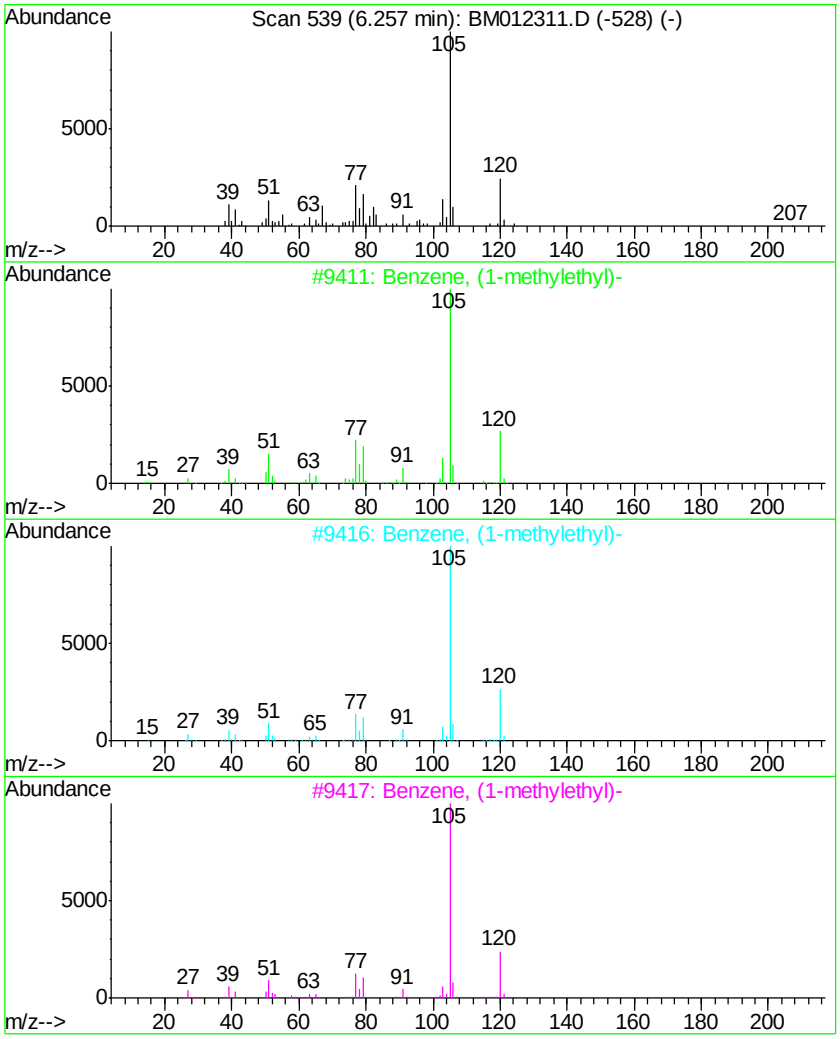
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

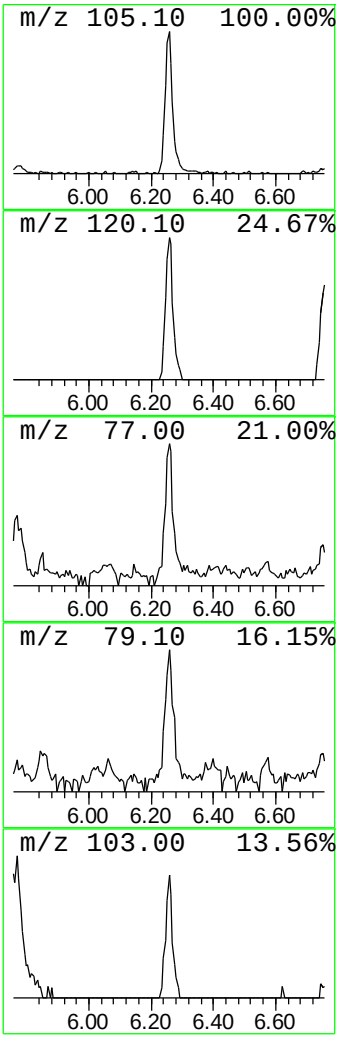
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Benzene, (1-methylethyl)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.26	2.30 ng/ul	217987	1,4-Dichlorobenzene-d4	7.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	95
2	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	90
3	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	90
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	80
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	80





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101817\
Data File : BM012311.D
Acq On : 19 Oct 2017 10:25
Operator : SJ/JU
Sample : I5783-02 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-28(0.5-1.5)-100917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

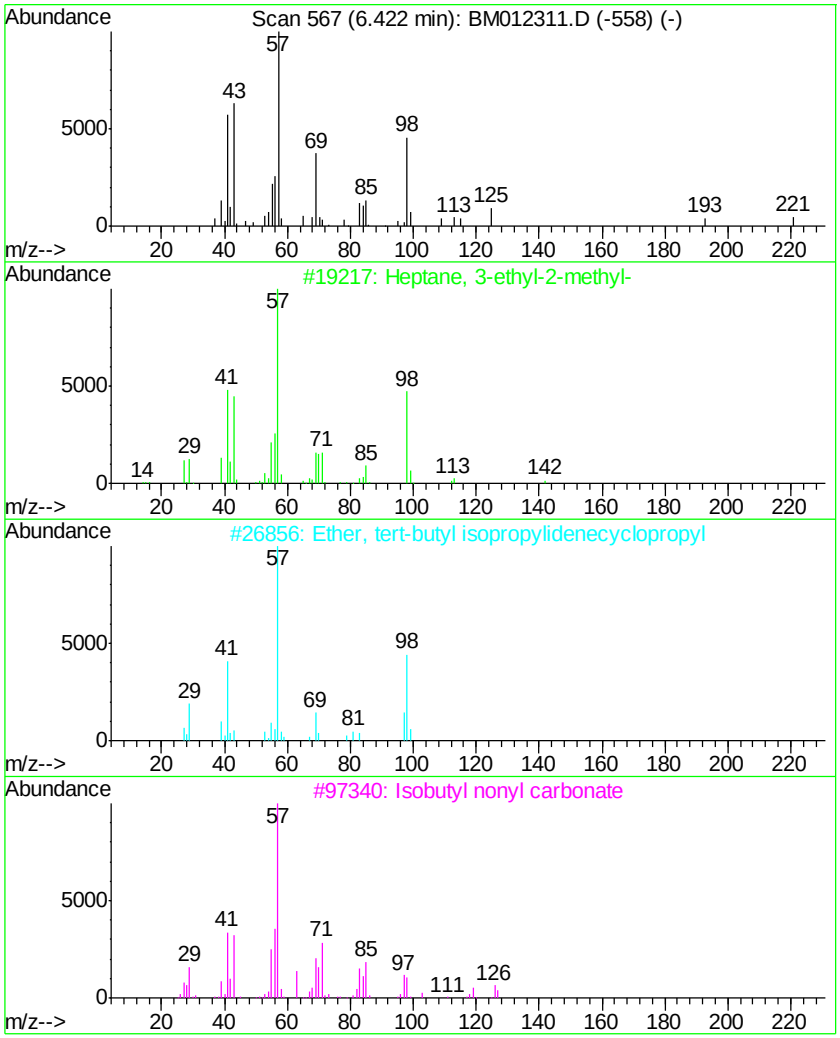
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

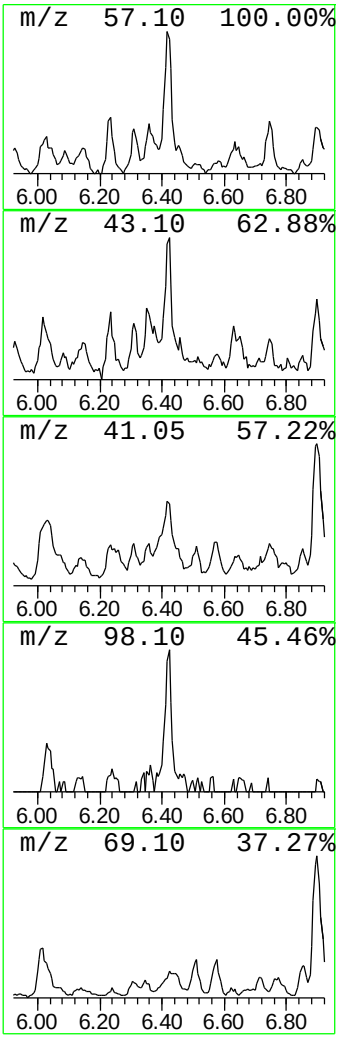
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.42	2.05 ng/ul	194853	1,4-Dichlorobenzene-d4	7.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	59
2	Ether, tert-butyl isopropylidene...	154	C10H18O	024524-56-9	47
3	Isobutyl nonyl carbonate	244	C14H28O3	959311-27-4	43
4	Decane, 1-fluoro-	160	C10H21F	000334-56-5	35
5	Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	32





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101817\
Data File : BM012311.D
Acq On : 19 Oct 2017 10:25
Operator : SJ/JU
Sample : I5783-02 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-28(0.5-1.5)-100917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

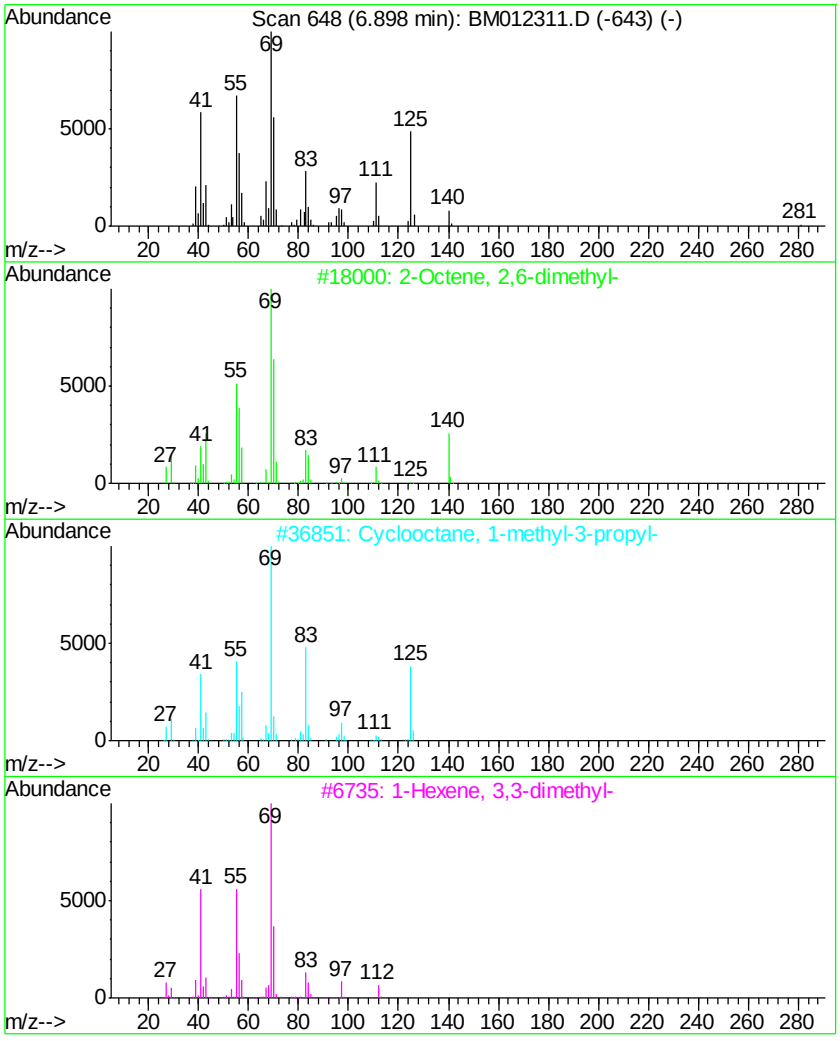
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

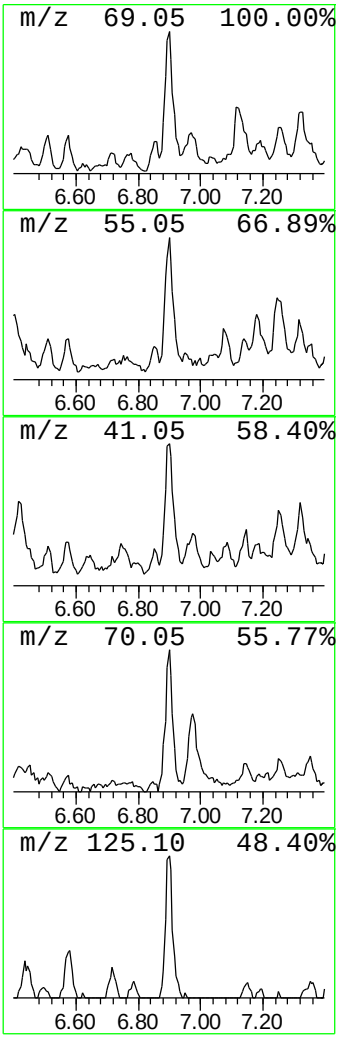
****

Peak Number 6 (DEL) Alkane: Cyclic6.90 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.90	2.22 ng/ul	210565	1,4-Dichlorobenzene-d4	7.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	58
2	Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	50
3	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	46
4	3-Ethyl-4-octene	140	C10H20	019781-32-9	43
5	2-Nonene, 2-methyl-	140	C10H20	002129-95-5	43





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101817\
Data File : BM012311.D
Acq On : 19 Oct 2017 10:25
Operator : SJ/JU
Sample : I5783-02 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-28(0.5-1.5)-100917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

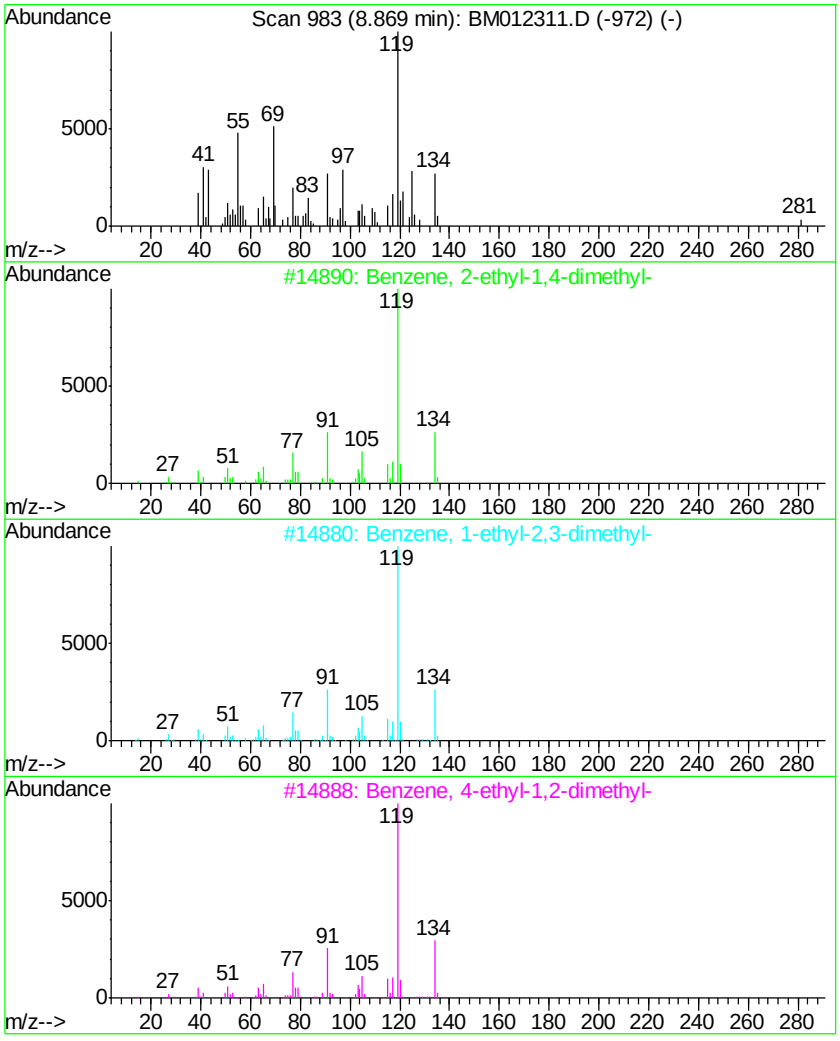
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

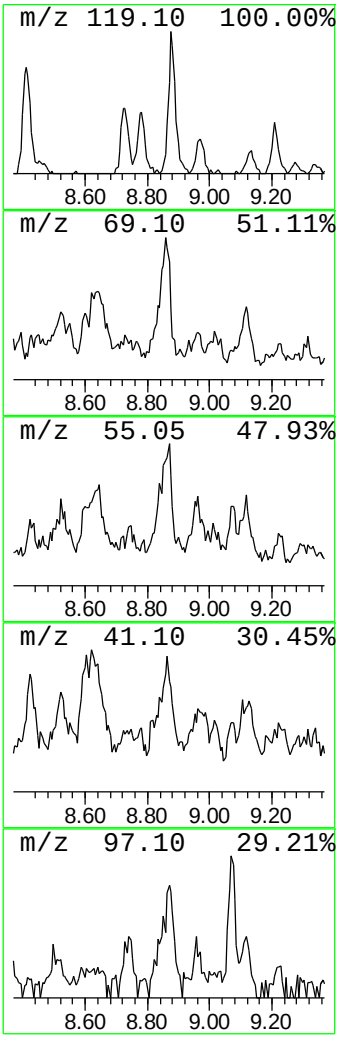
****

Peak Number 7 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.87	2.27 ng/ul	215622	1,4-Dichlorobenzene-d4	7.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	92
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	86





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101817\
Data File : BM012311.D
Acq On : 19 Oct 2017 10:25
Operator : SJ/JU
Sample : I5783-02 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-28(0.5-1.5)-100917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

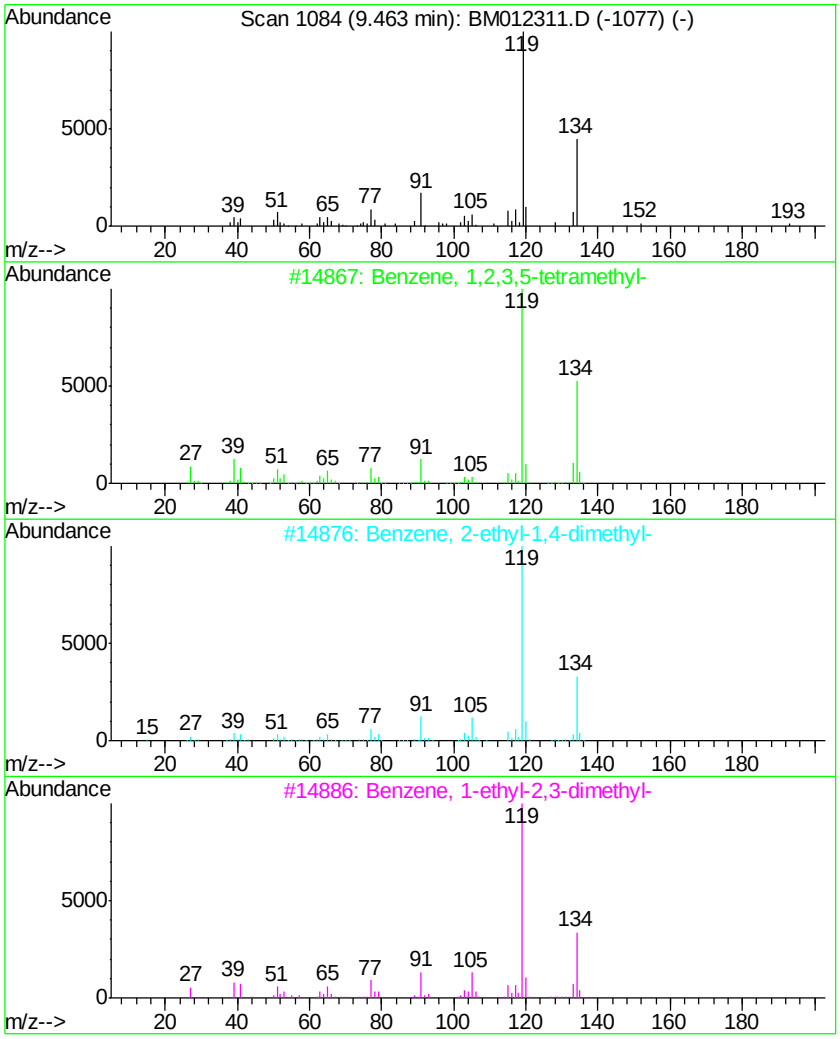
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

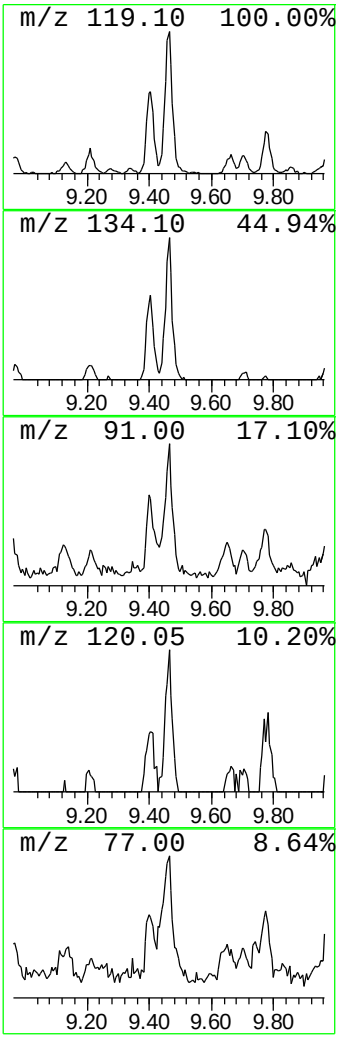
****

Peak Number 8 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.46	2.22 ng/ul	296112	Naphthalene-d8	10.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101817\
Data File : BM012311.D
Acq On : 19 Oct 2017 10:25
Operator : SJ/JU
Sample : I5783-02 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-28(0.5-1.5)-100917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

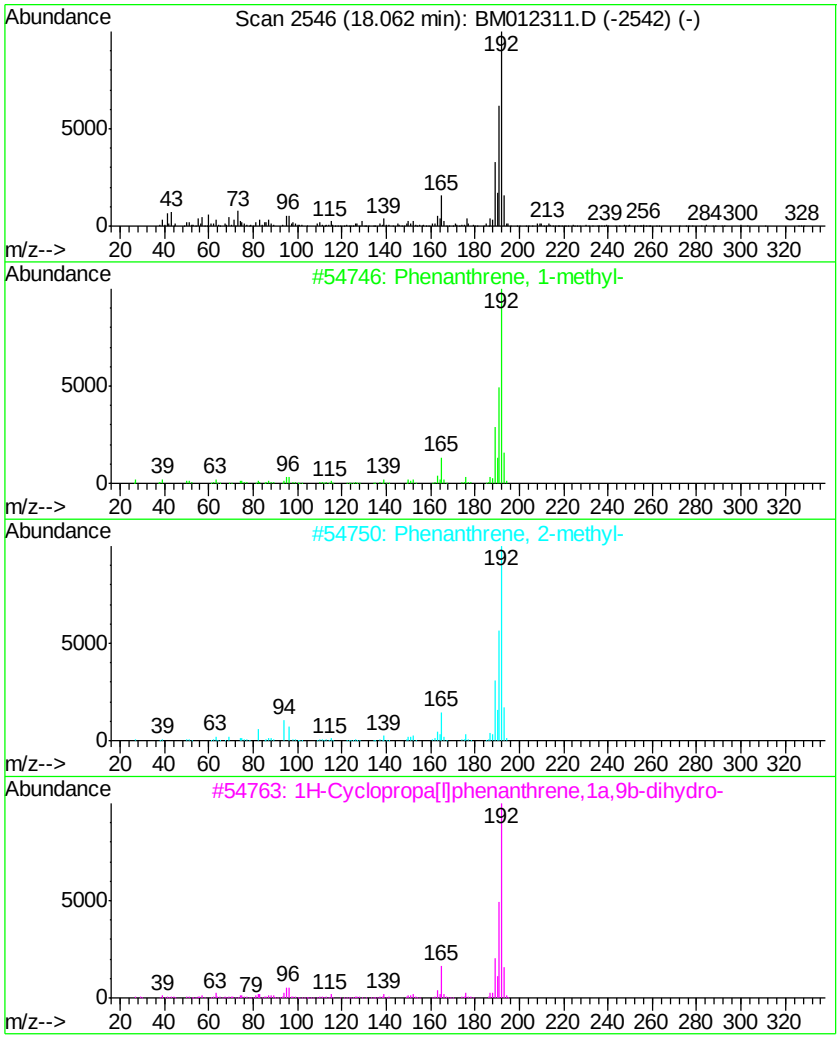
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

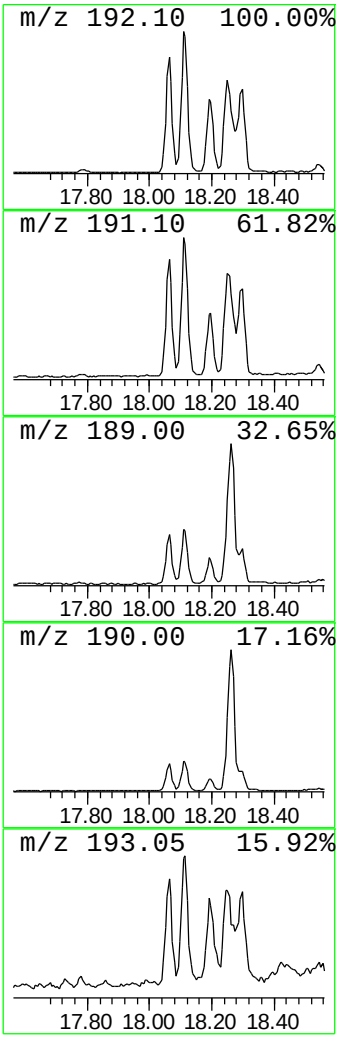
****

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	4.76 ng/ul	796893	Phenanthrene-d10	17.19

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





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101817\
Data File : BM012311.D
Acq On : 19 Oct 2017 10:25
Operator : SJ/JU
Sample : I5783-02 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-28(0.5-1.5)-100917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

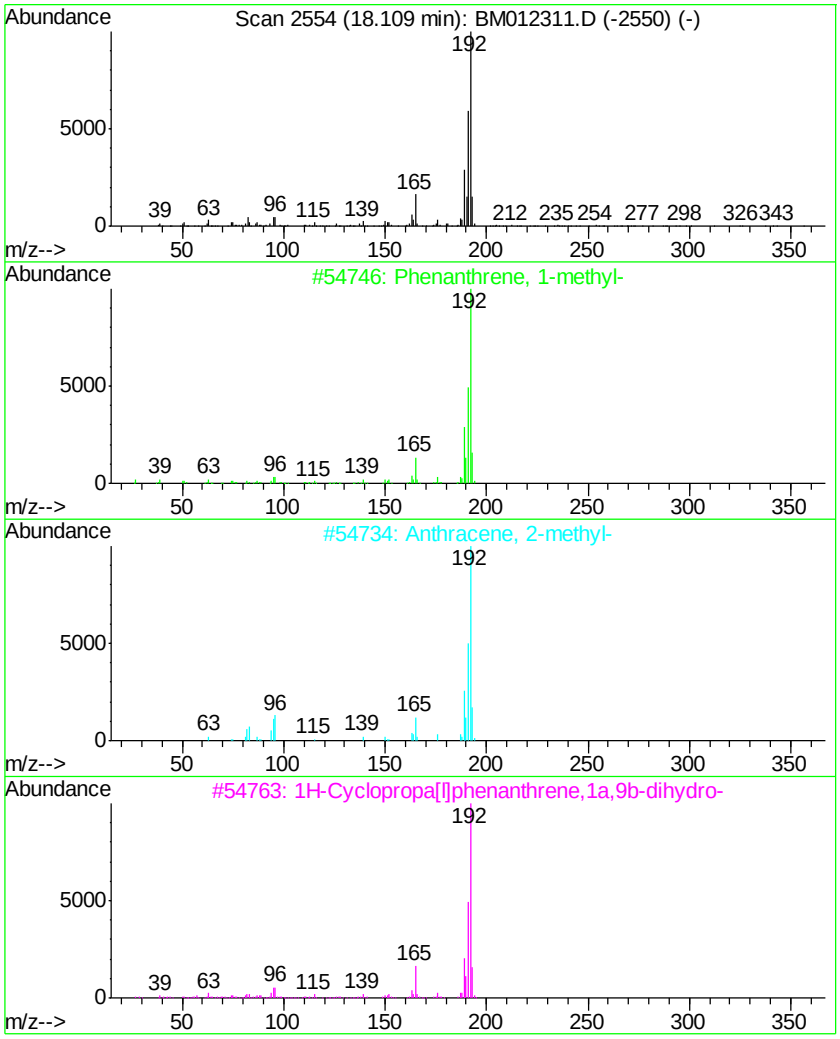
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

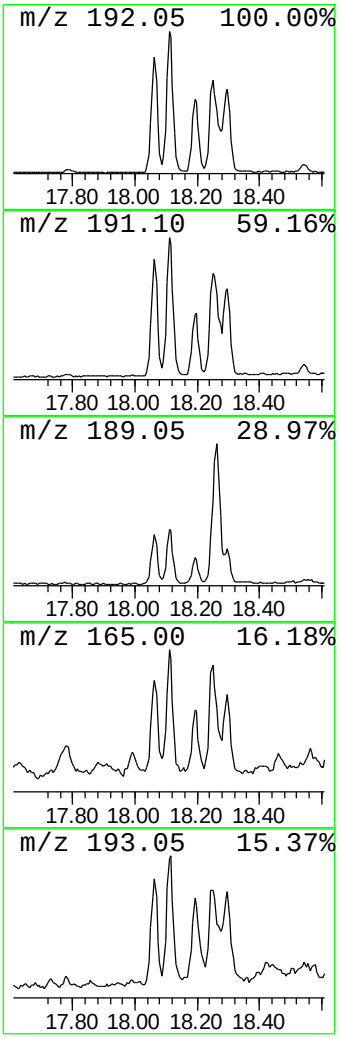
****

Peak Number 10 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.11	4.81 ng/ul	803746	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101817\
Data File : BM012311.D
Acq On : 19 Oct 2017 10:25
Operator : SJ/JU
Sample : I5783-02 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-28(0.5-1.5)-100917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

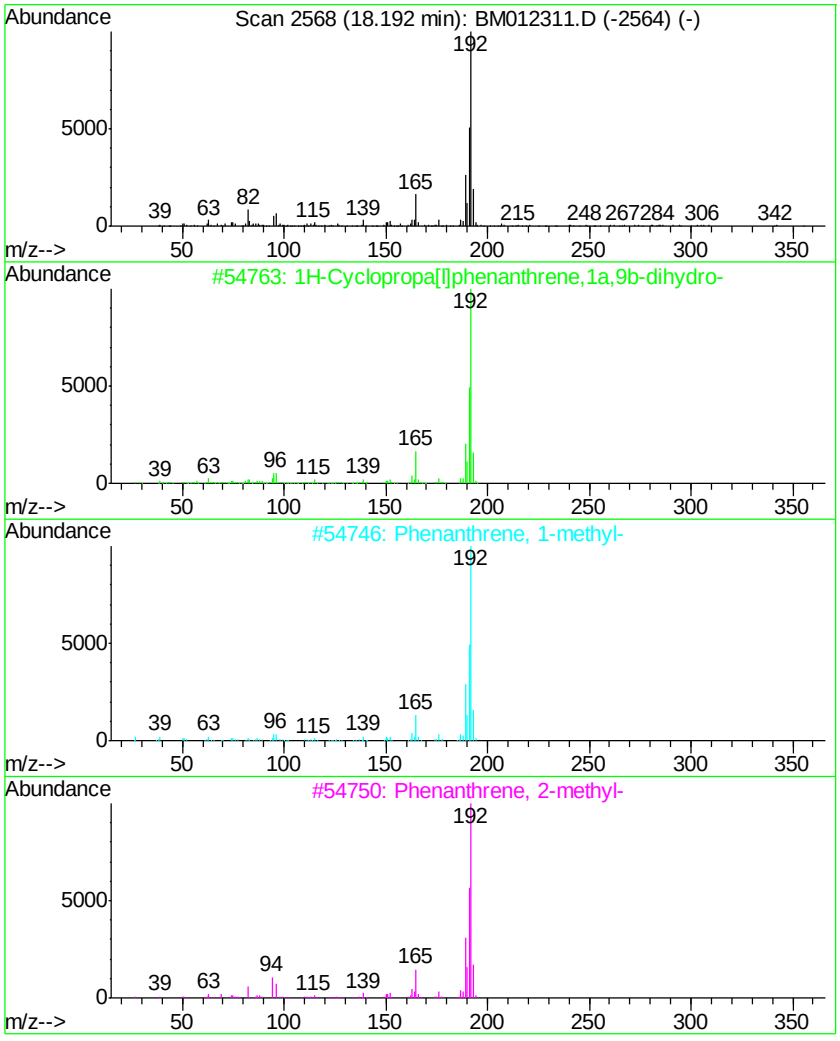
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

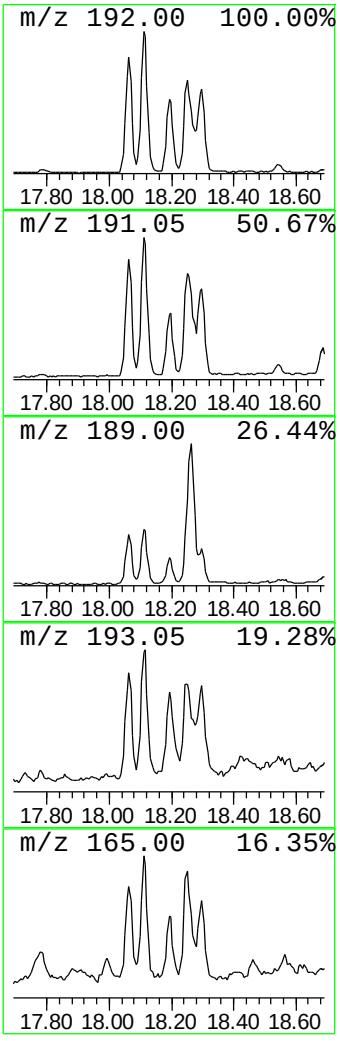
****

Peak Number 11 1H-Cyclopropa[l]phenanthren... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	2.28 ng/ul	380580	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101817\
Data File : BM012311.D
Acq On : 19 Oct 2017 10:25
Operator : SJ/JU
Sample : I5783-02 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-28(0.5-1.5)-100917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

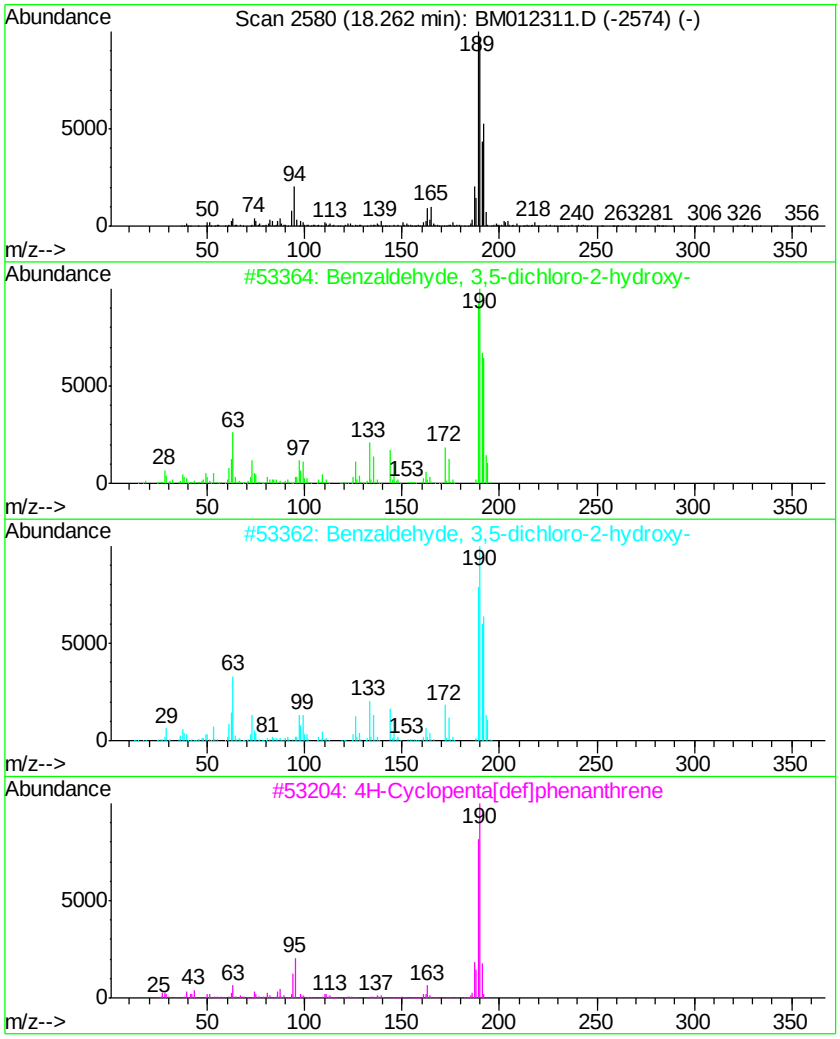
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

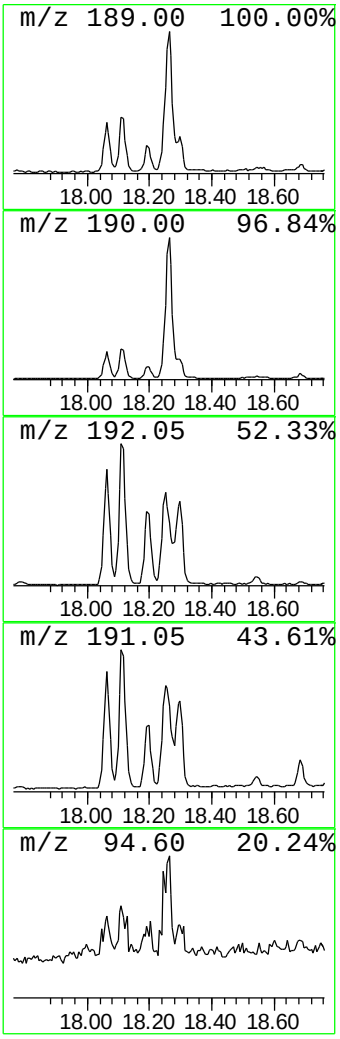
****

Peak Number 12 Benzaldehyde, 3,5-dichloro-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	6.84 ng/ul	1144650	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46
5	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	42





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101817\
Data File : BM012311.D
Acq On : 19 Oct 2017 10:25
Operator : SJ/JU
Sample : I5783-02 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-28(0.5-1.5)-100917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

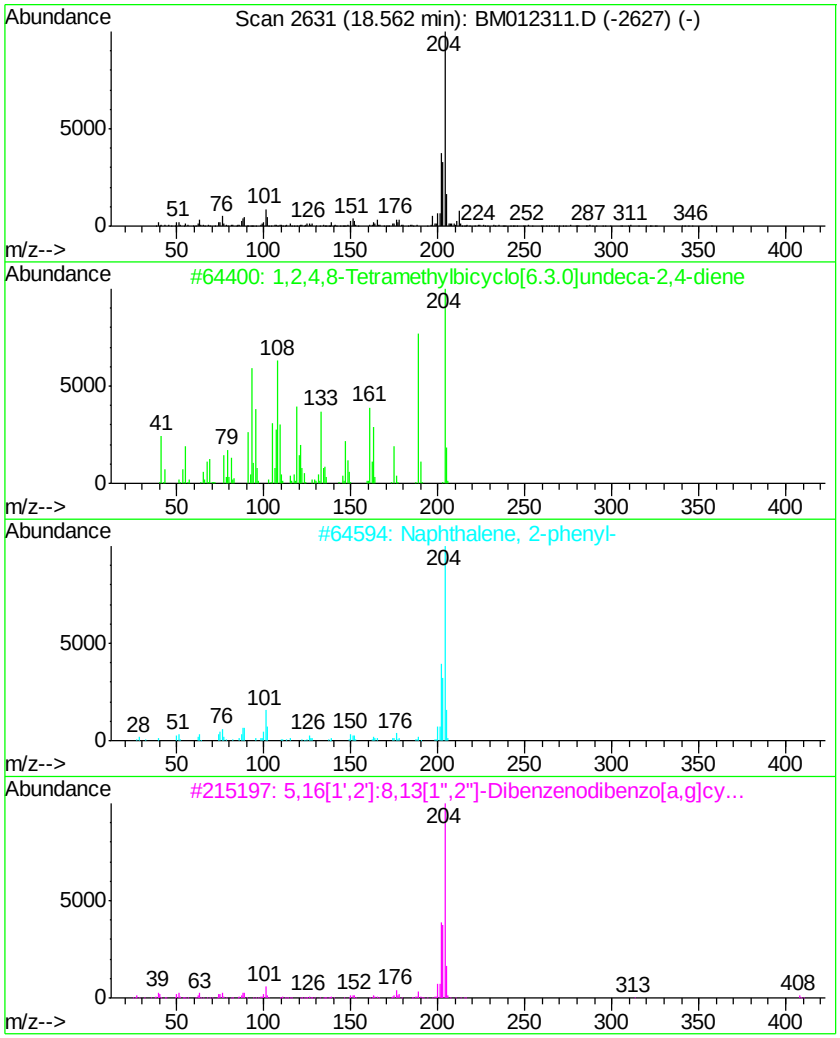
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

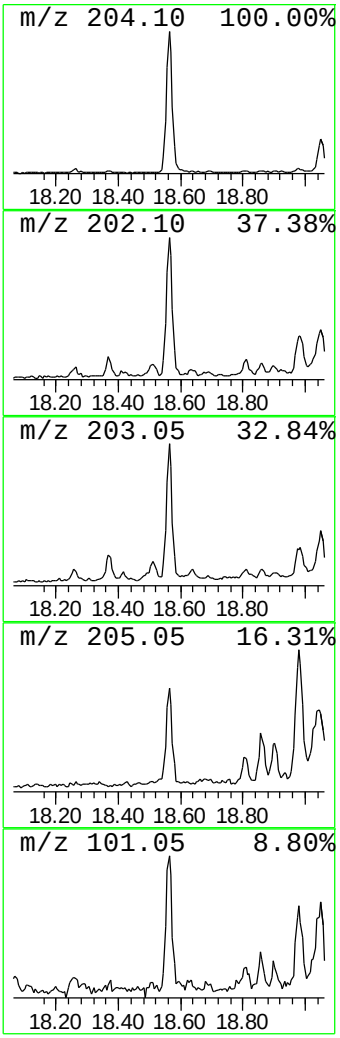
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	2.81 ng/ul	469377	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	91
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101817\
Data File : BM012311.D
Acq On : 19 Oct 2017 10:25
Operator : SJ/JU
Sample : I5783-02 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-28(0.5-1.5)-100917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

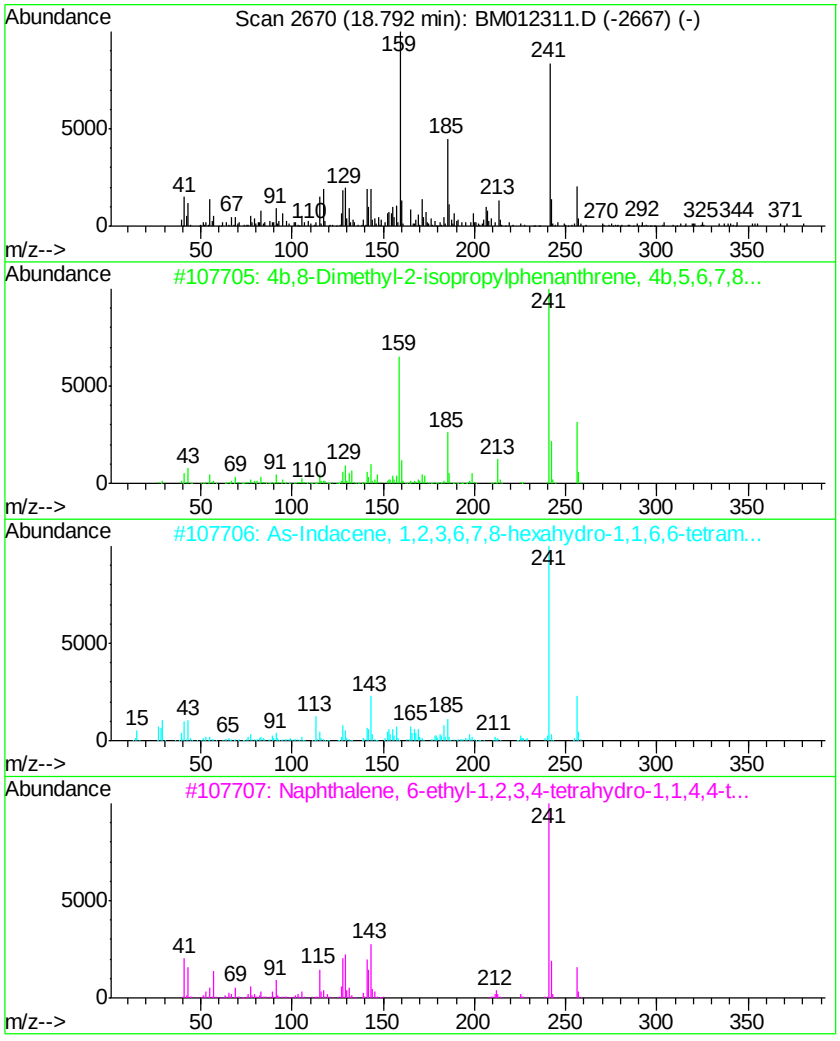
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

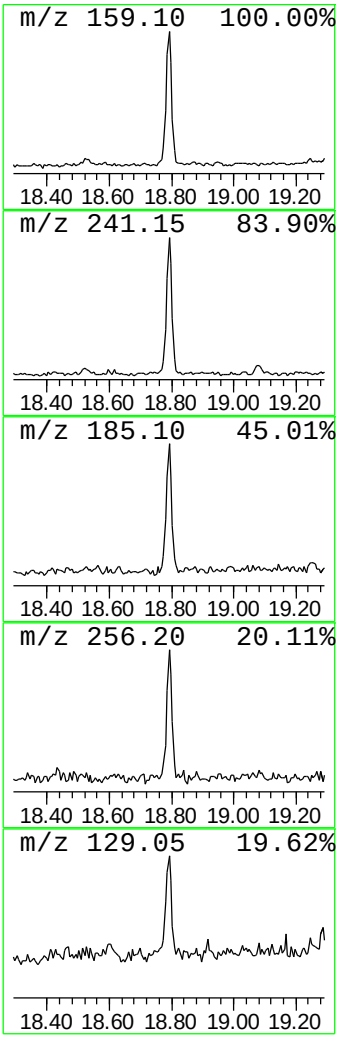
****

Peak Number 14 4b,8-Dimethyl-2-isopropylph... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.79	2.78 ng/ul	464924	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	93
2	As-Indacene, 1,2,3,6,7,8-hexahyd...	256	C19H28	017465-47-3	38
3	Naphthalene, 6-ethyl-1,2,3,4-tet...	256	C19H28	301643-35-6	38
4	1-Phenanthrenecarboxaldehyde, 1,...	284	C20H28O	024035-50-5	30
5	s-Indacen-1(2H)-one, 3,5,6,7-tet...	256	C18H24O	038754-94-8	30





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101817\
Data File : BM012311.D
Acq On : 19 Oct 2017 10:25
Operator : SJ/JU
Sample : I5783-02 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-28(0.5-1.5)-100917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

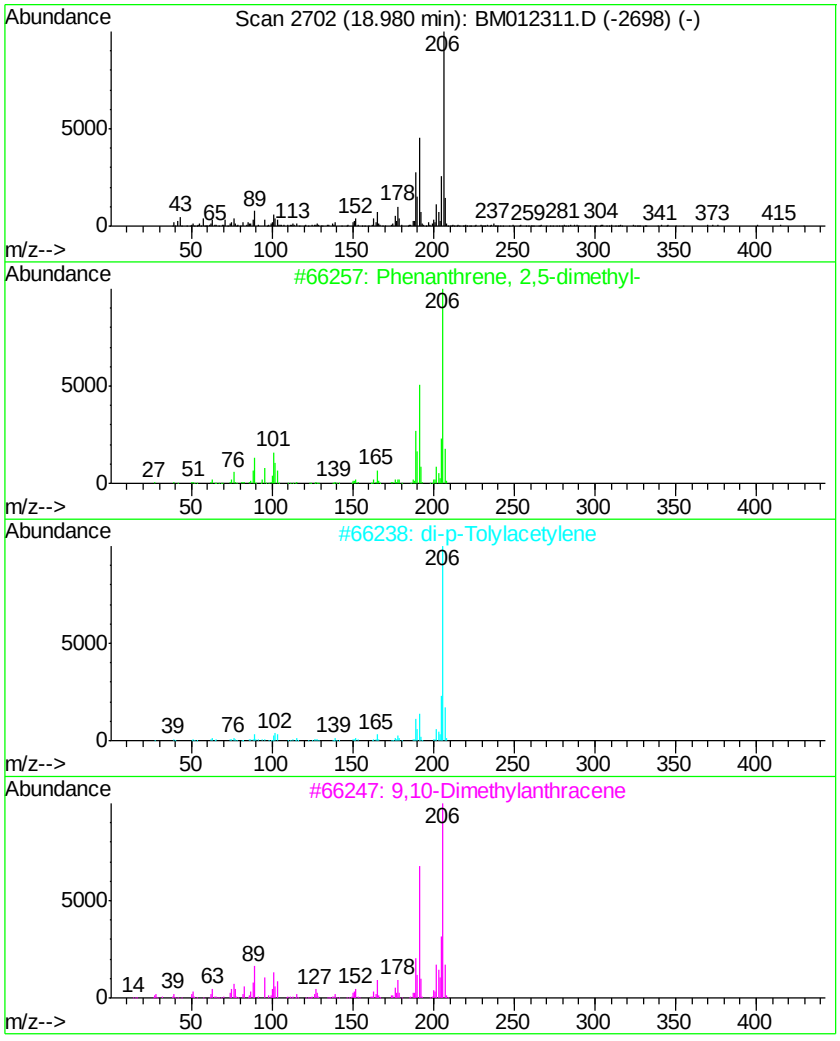
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

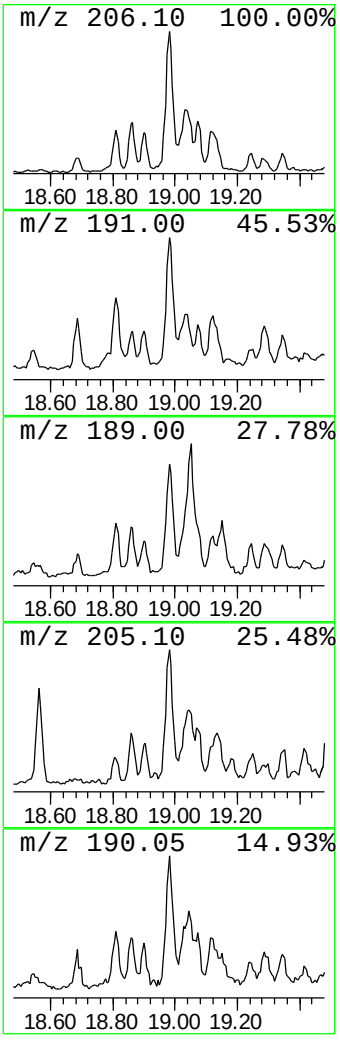
****

Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.98	3.70 ng/ul	619283	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101817\
Data File : BM012311.D
Acq On : 19 Oct 2017 10:25
Operator : SJ/JU
Sample : I5783-02 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-28(0.5-1.5)-100917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

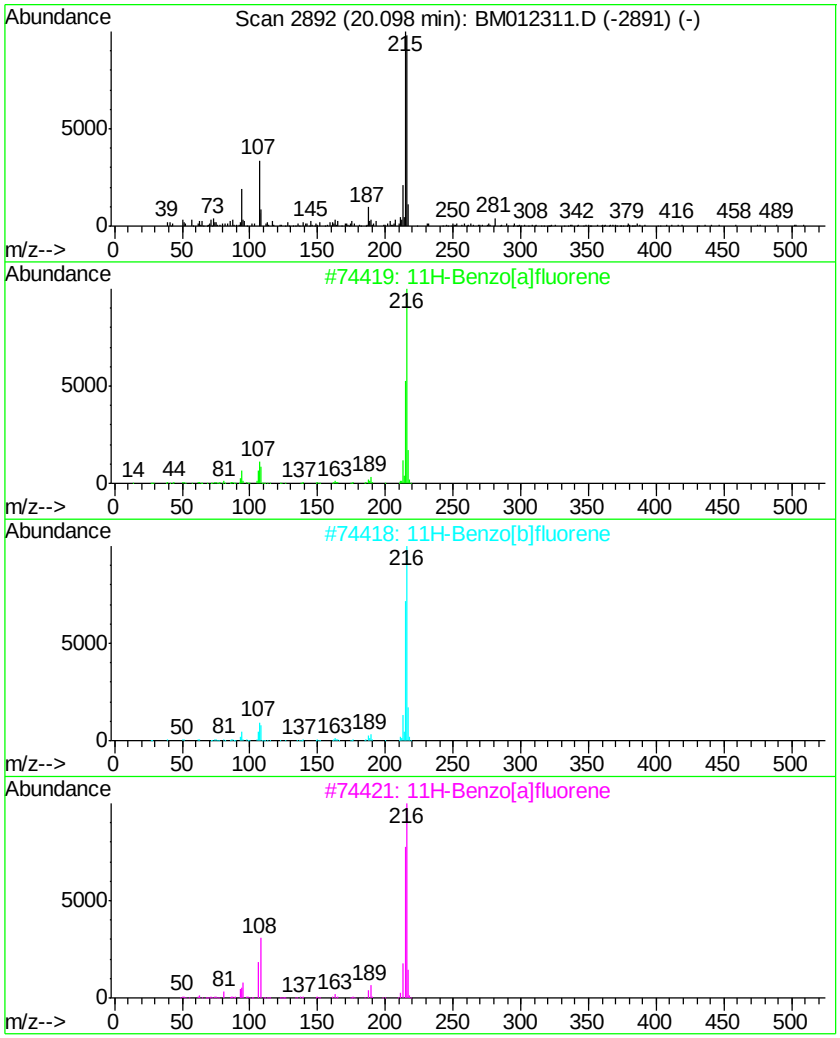
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

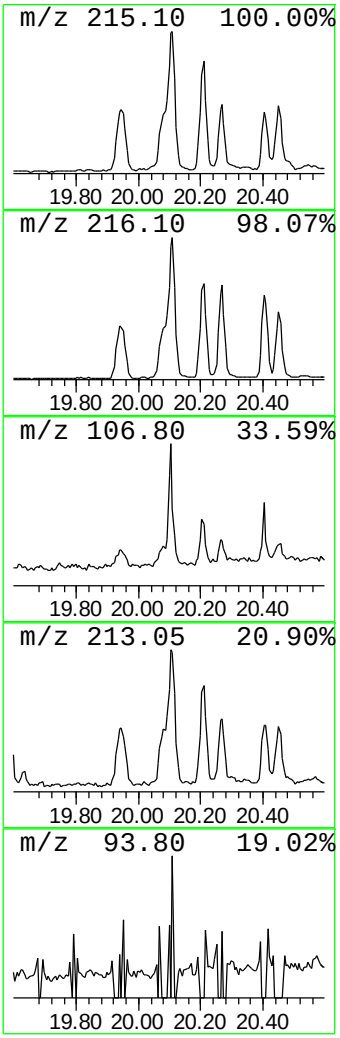
****

Peak Number 16 11H-Benzo[a]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.10	2.13 ng/ul	907392	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	80





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101817\
Data File : BM012311.D
Acq On : 19 Oct 2017 10:25
Operator : SJ/JU
Sample : I5783-02 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-28(0.5-1.5)-100917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

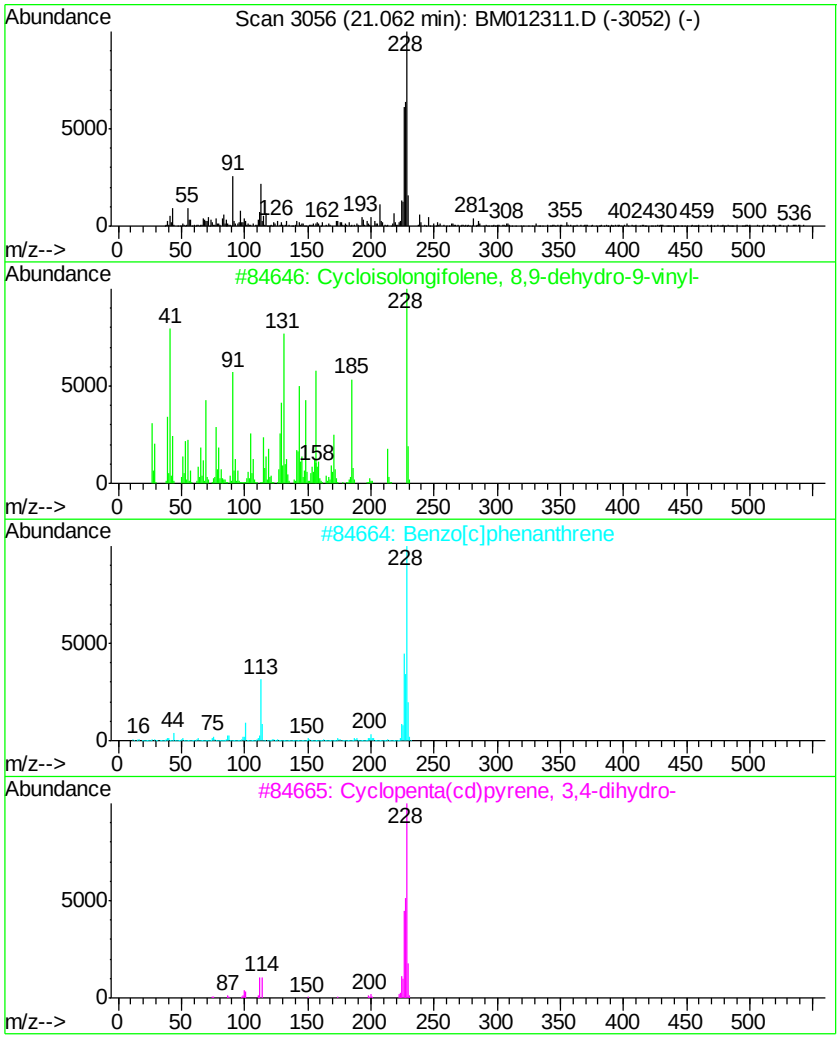
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

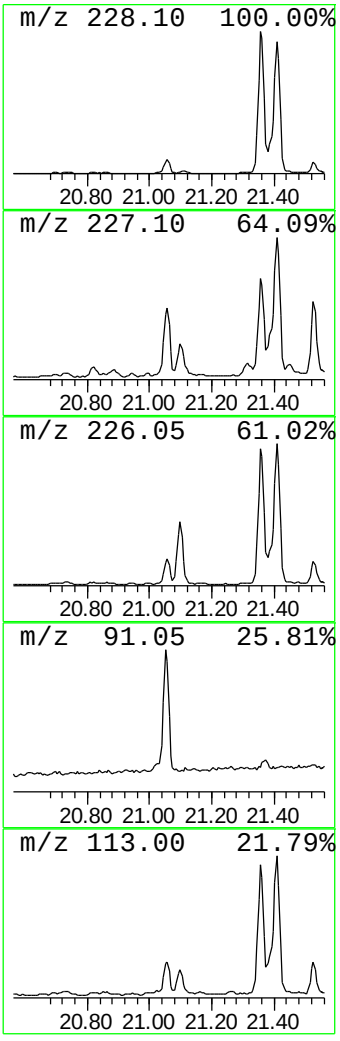
****

Peak Number 17 Cycloisolongifolene, 8,9-de... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.06	2.26 ng/ul	962277	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloisolongifolene, 8,9-dehydro...	228	C17H24	1000151-80-0	80
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	60
3	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	53
4	Triphenylene	228	C18H12	000217-59-4	46
5	Benzo[c]phenanthrene	228	C18H12	000195-19-7	46





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101817\
Data File : BM012311.D
Acq On : 19 Oct 2017 10:25
Operator : SJ/JU
Sample : I5783-02 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-28(0.5-1.5)-100917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

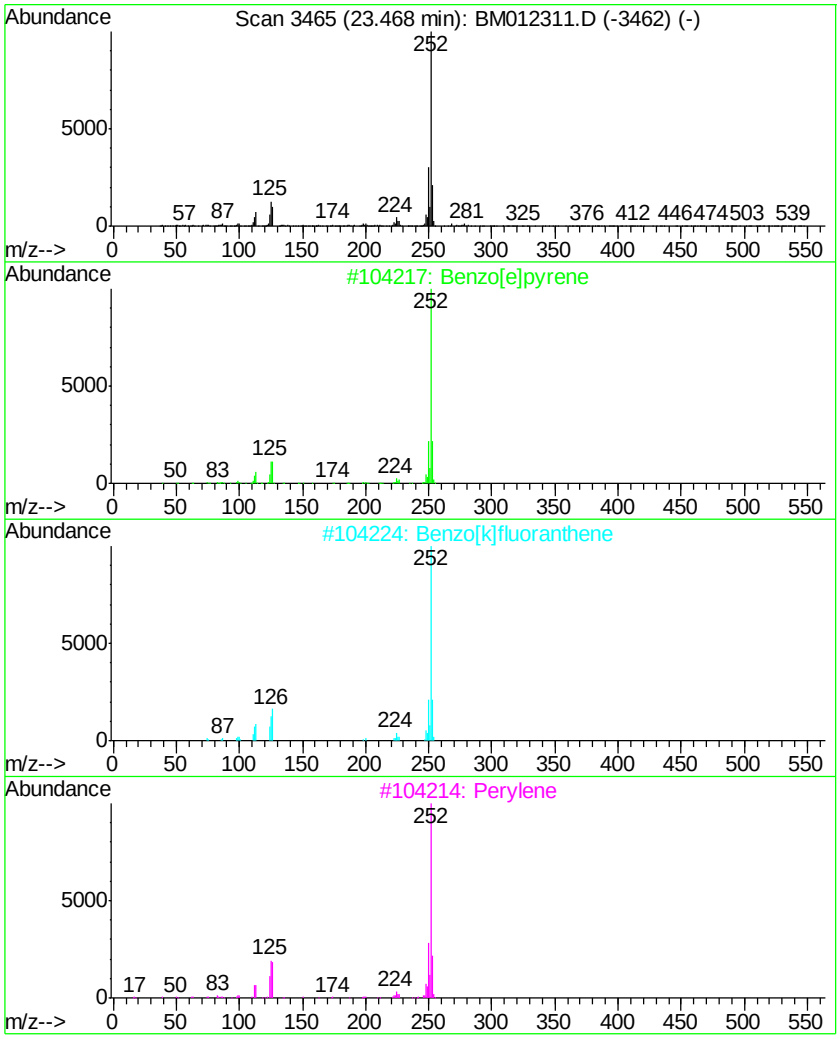
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

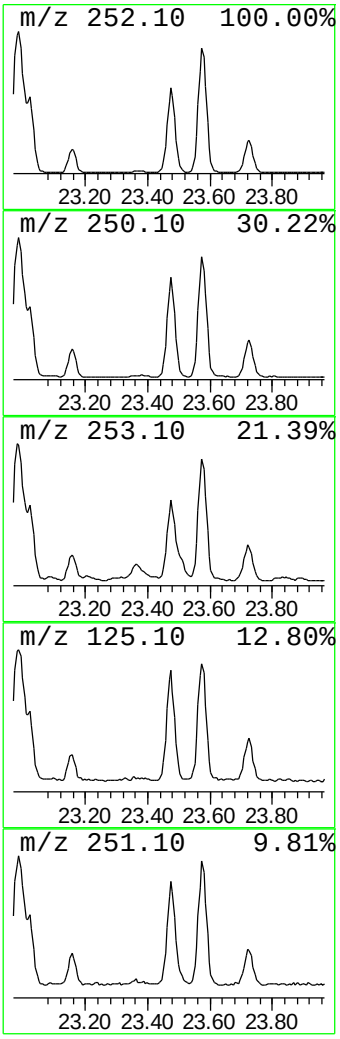
****

Peak Number 18 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.47	19.57 ng/ul	2680810	Perylene-d12	23.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Perylene	252	C20H12	000198-55-0	95
4	Perylene	252	C20H12	000198-55-0	94
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101817\
Data File : BM012311.D
Acq On : 19 Oct 2017 10:25
Operator : SJ/JU
Sample : I5783-02 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-28(0.5-1.5)-100917

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Cyc...	4.95	2.0	ng/ul	194437	1	7.78	1896400	20.0
(DEL) Alkane: Cyc...	6.03	2.6	ng/ul	248700	1	7.78	1896400	20.0
Benzene, (1-methy...	6.26	2.3	ng/ul	217987	1	7.78	1896400	20.0
(DEL) Alkane: Str...	6.42	2.0	ng/ul	194853	1	7.78	1896400	20.0
(DEL) Alkane: Cyc...	6.90	2.2	ng/ul	210565	1	7.78	1896400	20.0
Benzene, 2-ethyl-...	8.87	2.3	ng/ul	215622	1	7.78	1896400	20.0
Benzene, 1,2,3,5-...	9.46	2.2	ng/ul	296112	2	10.59	2668240	20.0
Phenanthrene, 1-m...	18.06	4.8	ng/ul	796893	4	17.19	3344790	20.0
Anthracene, 2-met...	18.11	4.8	ng/ul	803746	4	17.19	3344790	20.0
1H-Cyclopropa[l]p...	18.19	2.3	ng/ul	380580	4	17.19	3344790	20.0
Benzaldehyde, 3,5...	18.26	6.8	ng/ul	1144650	4	17.19	3344790	20.0
1,2,4,8-Tetrameth...	18.56	2.8	ng/ul	469377	4	17.19	3344790	20.0
4b,8-Dimethyl-2-i...	18.79	2.8	ng/ul	464924	4	17.19	3344790	20.0
Phenanthrene, 2,5...	18.98	3.7	ng/ul	619283	4	17.19	3344790	20.0
11H-Benzo[a]fluorene	20.10	2.1	ng/ul	907392	5	21.37	8526650	20.0
Cycloisolongifole...	21.06	2.3	ng/ul	962277	5	21.37	8526650	20.0
Benzo[e]pyrene	23.47	19.6	ng/ul	2680810	6	23.67	2739680	20.0