LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062117\
Data File : BM010644.D
Acq On : 22 Jun 2017 03:50
Operator : SJ/JU
Sample : I3521-08ME 5X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C56ME

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-BM062017.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.646	633	639	647	rBB	49799	71319	3.25%	0.358%
2	6.816	662	668	674	rBB	35241	50267	2.29%	0.252%
3	6.999	692	699	707	rBB	48010	73530	3.35%	0.369%
4	7.463	771	778	784	rBB	335654	497157	22.66%	2.497%
5	8.163	892	897	904	rBB	63164	93760	4.27%	0.471%
6	8.604	966	972	978	rVB2	46405	73438	3.35%	0.369%
7	9.322	1088	1094	1099	rBV2	40136	63147	2.88%	0.317%
8	9.851	1178	1184	1191	rBB	73854	109795	5.00%	0.551%
9	10.228	1241	1248	1252	rBV	469578	775634	35.36%	3.895%
10	10.275	1252	1256	1263	rVB	201343	308113	14.04%	1.547%
11	10.369	1266	1272	1280	rBV3	62049	107086	4.88%	0.538%
12	11.898	1526	1532	1539	rBV	254640	381716	17.40%	1.917%
13	12.122	1559	1570	1576	rBB	145094	221089	10.08%	1.110%
14	12.939	1703	1709	1715	rVB	93803	127345	5.80%	0.640%
15	13.133	1736	1742	1751	rBB	26439	43967	2.00%	0.221%
16	13.269	1757	1765	1766	rBV3	49652	65185	2.97%	0.327%
17	13.286	1766	1768	1775	rVB2	50448	61923	2.82%	0.311%
18	13.433	1786	1793	1797	rBV4	70281	125721	5.73%	0.631%
19	13.481	1797	1801	1805	rVV	48645	65655	2.99%	0.330%
20	13.533	1805	1810	1815	rVV	159956	214224	9.77%	1.076%
21	13.581	1815	1818	1822	rVB	26220	31322	1.43%	0.157%
22	13.669	1829	1833	1837	rBV2	31058	44524	2.03%	0.224%
23	13.798	1850	1855	1859	rBV	156174	218603	9.96%	1.098%
24	13.828	1859	1860	1867	rVB3	19920	23736	1.08%	0.119%
25	14.116	1902	1909	1915	rBV2	792164	1224145	55.80%	6.147%
26	14.180	1915	1920	1928	rVB	321827	488277	22.26%	2.452%
27	14.322	1939	1944	1955	rVB2	58332	86424	3.94%	0.434%
28	14.516	1972	1977	1984	rVB	357666	492736	22.46%	2.474%
29	15.116	2073	2079	2083	rBV	215687	302898	13.81%	1.521%
30	15.169	2083	2088	2094	rVB	464175	624576	28.47%	3.137%
31	15.239	2094	2100	2104	rBV2	48504	70030	3.19%	0.352%
32	15.333	2112	2116	2121	rVB2	39013	53655	2.45%	0.269%
33	15.422	2127	2131	2135	rVV	17550	22408	1.02%	0.113%
34	15.469	2135	2139	2147	rVB	63603	80324	3.66%	0.403%

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Acq On : 22 Jun 2017 03:50
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Sample : I3521-08ME 5X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C56ME

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-BM062017.M
Title : SVOA CALIBRATION

35	15.616	2159	2164	2171	rVB2	60677	114097	5.20%	0.573%
36	16.180	2249	2260	2264	rBV2	39802	75587	3.45%	0.380%
37	16.327	2279	2285	2290	rVB4	14645	23737	1.08%	0.119%
38	16.604	2328	2332	2338	rBV3	19695	31793	1.45%	0.160%
39	16.686	2338	2346	2351	rBV	95147	130829	5.96%	0.657%
40	16.869	2371	2377	2381	rBV2	1091705	1607119	73.26%	8.071%
41	16.910	2381	2384	2389	rVV	1490941	1910361	87.08%	9.593%
42	16.963	2389	2393	2397	rVV2	238730	359422	16.38%	1.805%
43	16.998	2397	2399	2406	rVB	145799	173058	7.89%	0.869%
44	17.274	2442	2446	2450	rBV	40419	49059	2.24%	0.246%
45	17.398	2463	2467	2471	rBV3	15502	21939	1.00%	0.110%
46	17.745	2519	2526	2530	rBV	84502	110155	5.02%	0.553%
47	17.792	2530	2534	2540	rVB	127724	167324	7.63%	0.840%
48	17.874	2542	2548	2552	rBV	41411	60769	2.77%	0.305%
49	17.939	2553	2559	2563	rVV2	147866	236537	10.78%	1.188%
50	17.974	2563	2565	2569	rVB2	43770	46842	2.14%	0.235%
51	18.257	2608	2613	2617	rBV	60140	80208	3.66%	0.403%
52	18.674	2679	2684	2690	rBV3	24060	43851	2.00%	0.220%
53	18.739	2690	2695	2698	rBV5	16377	25711	1.17%	0.129%
54	18.939	2723	2729	2735	rVB	840696	1064706	48.53%	5.347%
55	19.186	2765	2771	2775	rBV	19861	28705	1.31%	0.144%
56	19.274	2781	2786	2789	rBV2	435749	671579	30.61%	3.373%
57	19.304	2789	2791	2796	rVV	495412	565228	25.76%	2.838%
58	19.380	2800	2804	2809	rVB3	22772	35582	1.62%	0.179%
59	19.486	2818	2822	2828	rBV	30644	44947	2.05%	0.226%
60	19.645	2837	2849	2853	rBV3	29570	77607	3.54%	0.390%
61	19.692	2853	2857	2861	rVB2	15181	23549	1.07%	0.118%
62	19.810	2872	2877	2882	rVB	108826	144261	6.58%	0.724%
63	19.910	2889	2894	2898	rBV	115387	150148	6.84%	0.754%
64	19.962	2898	2903	2908	rVV4	34759	57422	2.62%	0.288%
65	20.157	2931	2936	2942	rBV6	13322	28671	1.31%	0.144%
66	20.527	2995	2999	3004	rBV7	14531	24416	1.11%	0.123%
67	20.727	3028	3033	3036	rBV	39352	54605	2.49%	0.274%
68	20.768	3036	3040	3043	rVV2	30298	36084	1.64%	0.181%
69	20.821	3043	3049	3053	rVV5	40695	69032	3.15%	0.347%
70	21.080	3086	3093	3097	rBV	1553434	2193787	100.00%	11.017%
71	21.115	3097	3099	3107	rVB	145684	178755	8.15%	0.898%

LSC Area Percent Report

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Misc :
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Instrument : BNA_M
ClientSampleId : F5C56ME

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
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Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Title : SVOA CALIBRATION

72	21.233	3117	3119	3123	rVB3	23882	25536	1.16%	0.128%
73	21.392	3142	3146	3150	rVB5	18425	24254	1.11%	0.122%
74	22.598	3345	3351	3352	rBV	48750	97072	4.42%	0.487%
75	23.086	3429	3434	3439	rBV	188752	316111	14.41%	1.587%
76	23.221	3450	3457	3465	rBV2	803049	1438932	65.59%	7.226%

Sum of corrected areas: 19913116

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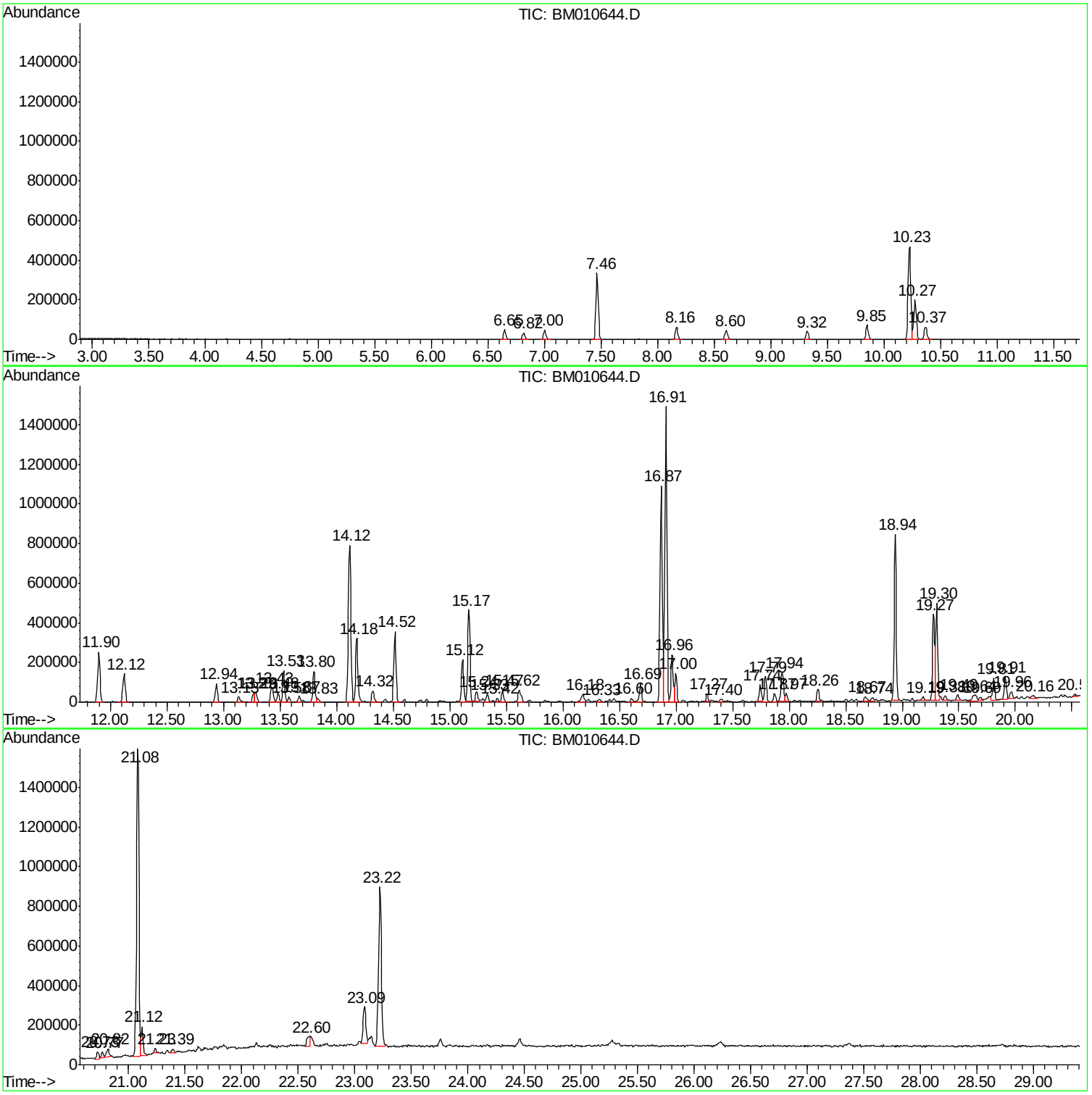
Sample : I3521-08ME 5X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5C56ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062117\
Data File : BM010644.D
Acq On : 22 Jun 2017 03:50
Operator : SJ/JU
Sample : I3521-08ME 5X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C56ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

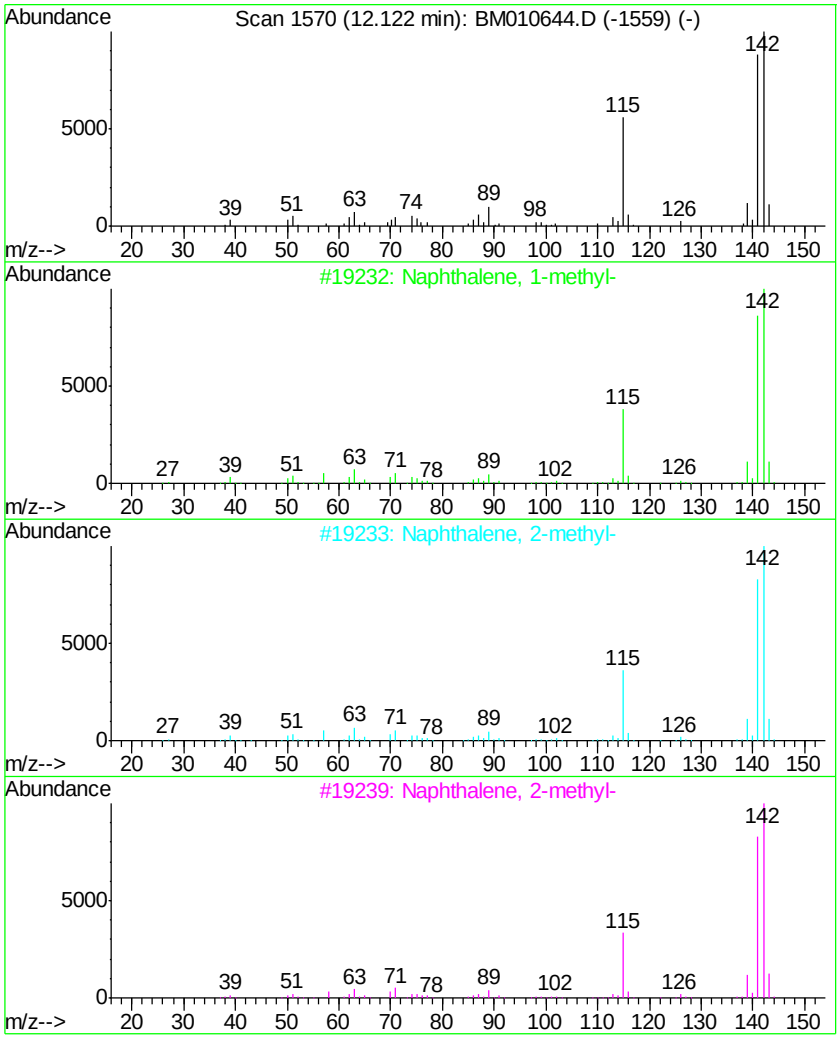
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

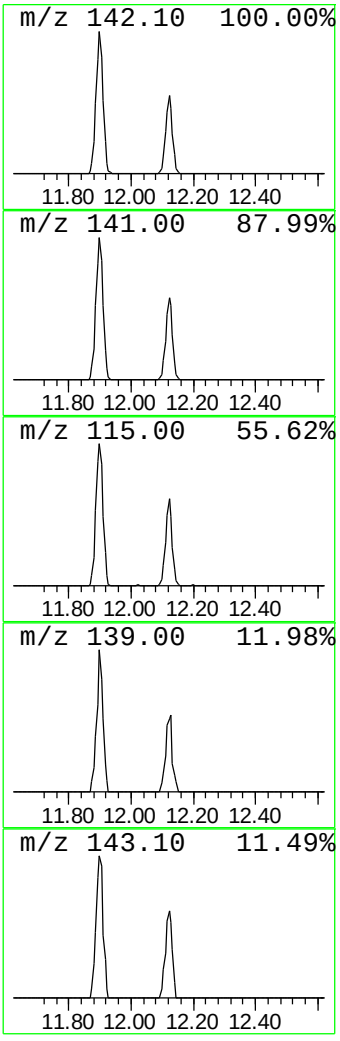
****

Peak Number 1 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	5.70 ng/ul	221089	Naphthalene-d8	10.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	Benzocycloheptatriene	142	C11H10	000264-09-5	94





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Sample : I3521-08ME 5X
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Instrument : BNA_M
ClientSampleId : F5C56ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

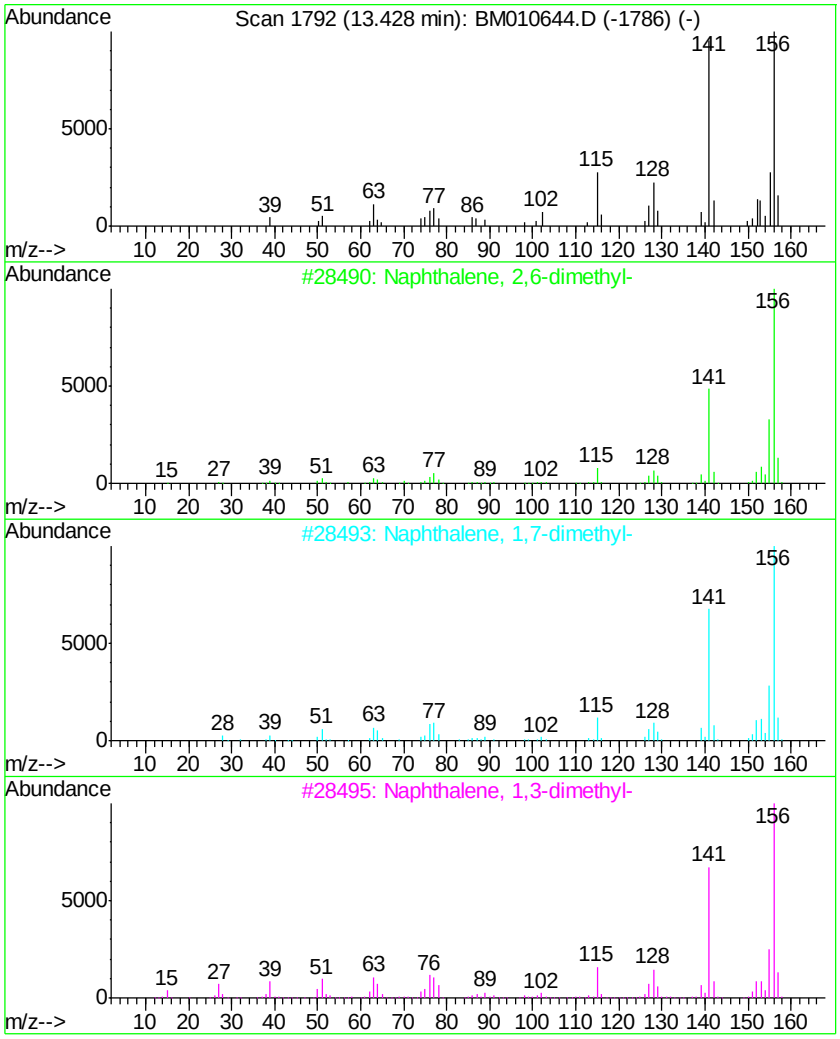
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

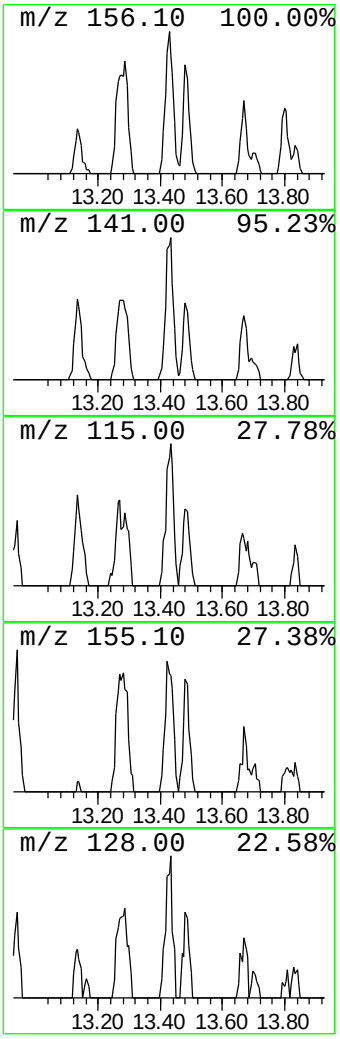
****

Peak Number 2 Naphthalene, 2,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.43	2.05 ng/ul	125721	Acenaphthene-d10	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94





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Operator : SJ/JU
Sample : I3521-08ME 5X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C56ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

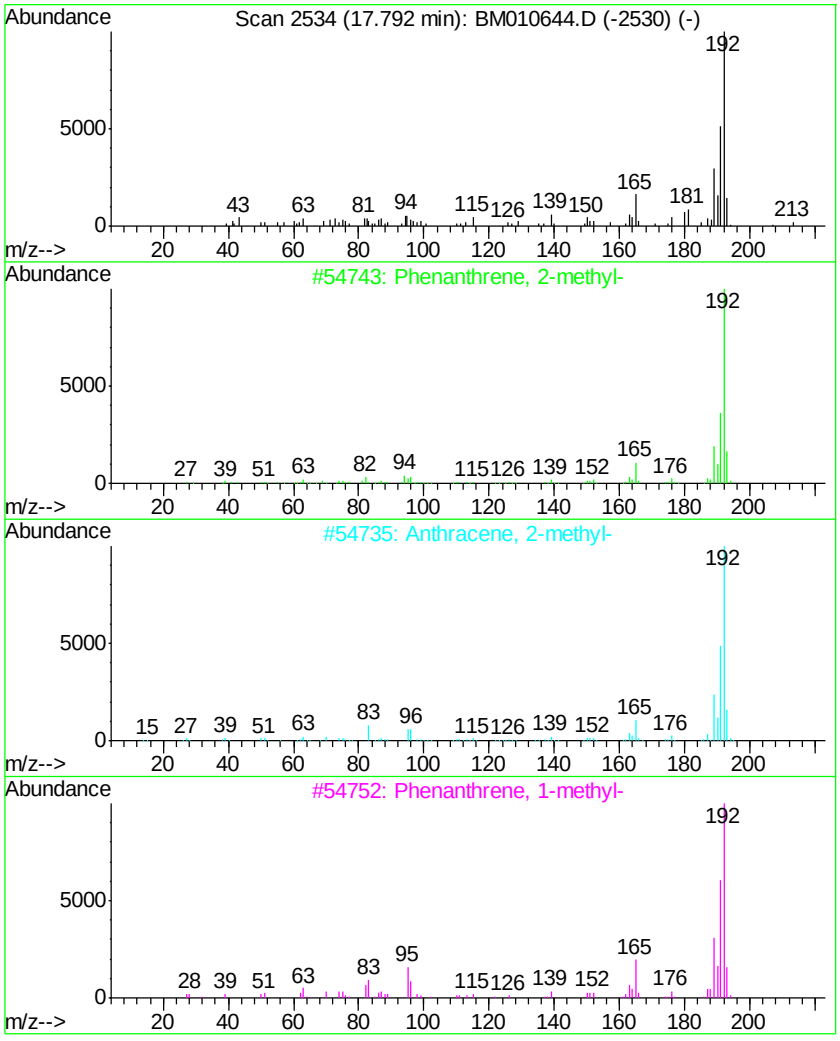
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

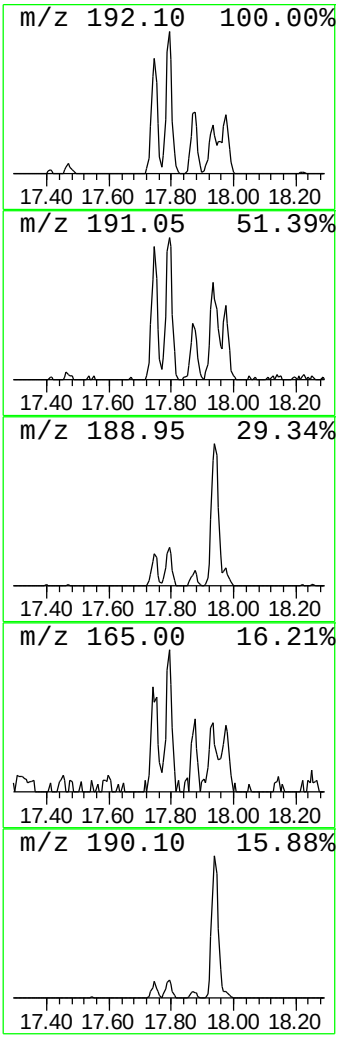
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.79	2.08 ng/ul	167324	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91





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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

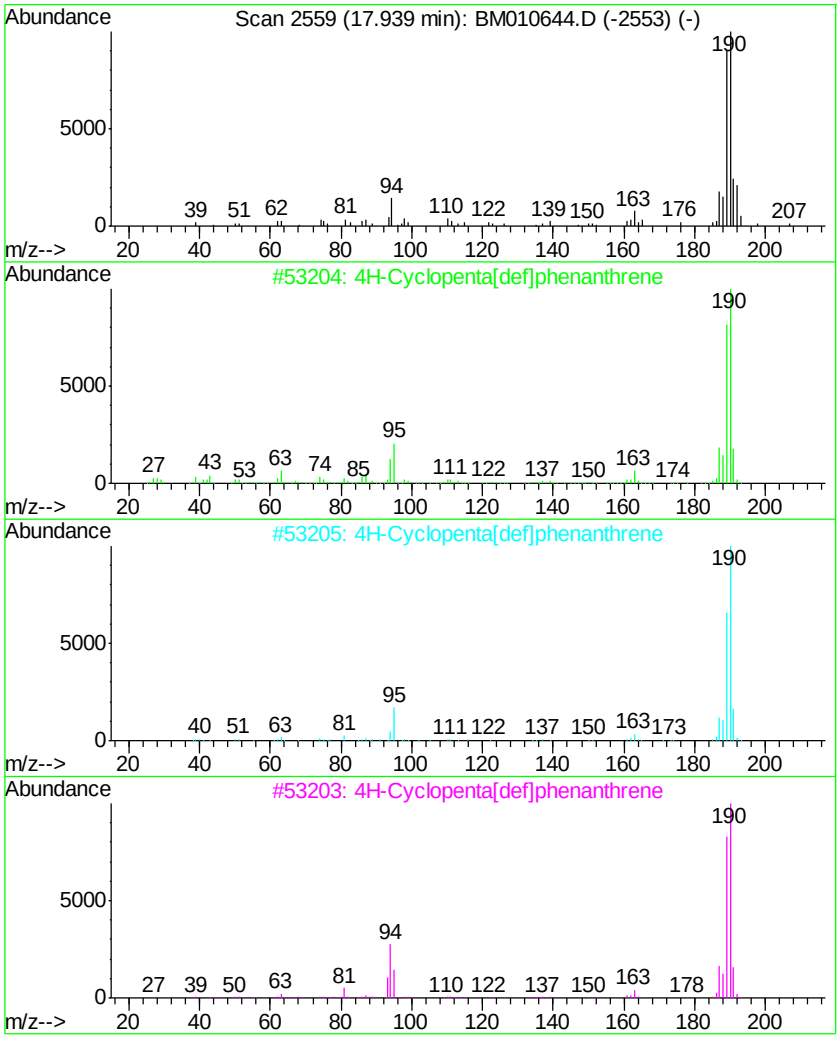
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

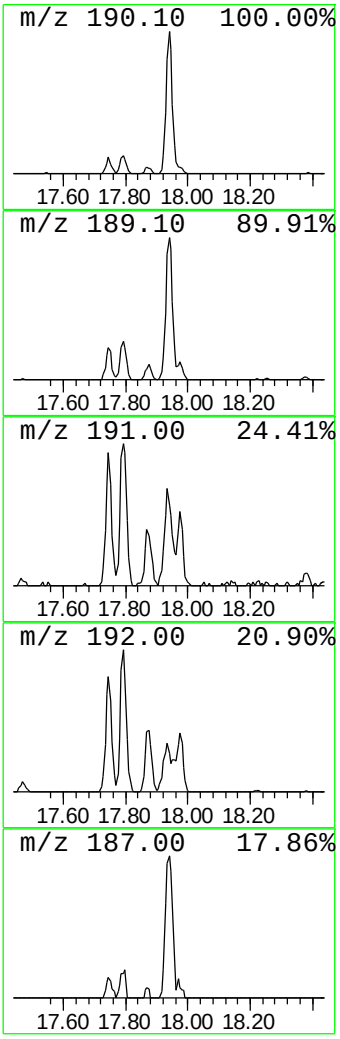
****

Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	2.94 ng/ul	236537	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	91
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	80
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	72
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	32





Tentatively Identified Compound (LSC) summary

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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.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
Naphthalene, 1-me...	12.12	5.7	ng/ul	221089	2	10.23	775634	20.0
Naphthalene, 2,6-...	13.43	2.0	ng/ul	125721	3	14.12	1224150	20.0
Phenanthrene, 2-m...	17.79	2.1	ng/ul	167324	4	16.87	1607120	20.0
4H-Cyclopenta[def...	17.94	2.9	ng/ul	236537	4	16.87	1607120	20.0