LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042816\
Data File : BM005122.D
Acq On : 28 Apr 2016 20:15
Operator : UM/SJ
Sample : H2639-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7N6

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\SOM02.2-EPA-BM042516.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	6.957	721	726	735	rVB	67482	101943	8.26%	0.750%
2	7.122	748	754	763	rBB	133500	203196	16.47%	1.495%
3	7.322	782	788	796	rBB	155384	238746	19.35%	1.757%
4	7.787	860	867	874	rBV	145946	233643	18.94%	1.719%
5	8.492	981	987	997	rVB	170580	265907	21.55%	1.957%
6	8.945	1056	1064	1073	rBV	163304	269782	21.86%	1.985%
7	9.140	1092	1097	1102	rVB	19934	29194	2.37%	0.215%
8	9.263	1112	1118	1123	rBB	7670	13651	1.11%	0.100%
9	9.322	1123	1128	1136	rBB2	17420	28480	2.31%	0.210%
10	9.663	1180	1186	1193	rBV	141747	230863	18.71%	1.699%
11	10.198	1271	1277	1288	rBB	228549	375442	30.43%	2.763%
12	10.581	1335	1342	1348	rBV	234132	400955	32.50%	2.950%
13	10.745	1363	1370	1379	rBB	191256	322872	26.17%	2.376%
14	11.686	1524	1530	1538	rBB	25016	40057	3.25%	0.295%
15	12.139	1601	1607	1611	rBV	10129	17590	1.43%	0.129%
16	13.839	1888	1896	1903	rBV	456157	626040	50.74%	4.606%
17	14.122	1937	1944	1953	rVB	488910	729700	59.14%	5.369%
18	14.274	1961	1970	1986	rBV3	6787	22699	1.84%	0.167%
19	14.427	1990	1996	2004	rVV2	384251	602769	48.85%	4.435%
20	14.639	2026	2032	2044	rBV	71773	118286	9.59%	0.870%
21	15.280	2137	2141	2146	rVB2	9394	14962	1.21%	0.110%
22	15.351	2146	2153	2157	rBV	21291	31506	2.55%	0.232%
23	15.421	2157	2165	2173	rVB	632791	969119	78.54%	7.131%
24	15.545	2181	2186	2197	rBV2	252883	365563	29.63%	2.690%
25	16.157	2282	2290	2297	rBV5	12145	24970	2.02%	0.184%
26	16.345	2318	2322	2327	rBV	48866	66352	5.38%	0.488%
27	16.398	2327	2331	2337	rVV2	8811	14871	1.21%	0.109%
28	16.457	2337	2341	2346	rVB	13143	16566	1.34%	0.122%
29	16.721	2378	2386	2399	rBV	70915	127093	10.30%	0.935%
30	17.033	2433	2439	2442	rBV	39812	67390	5.46%	0.496%
31	17.080	2442	2447	2458	rVB	136118	241363	19.56%	1.776%
32	17.180	2458	2464	2470	rBV2	506853	759504	61.55%	5.589%
33	17.274	2474	2480	2485	rBV2	738503	1111229	90.06%	8.177%
34	17.392	2497	2500	2504	rVV2	11351	16035	1.30%	0.118%

LSC Area Percent Report

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Acq On : 28 Apr 2016 20:15
Operator : UM/SJ
Sample : H2639-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7N6

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\SOM02.2-EPA-BM042516.M
Title : SVOA CALIBRATION

35	17.433	2504	2507	2514	rVB2	11548	19126	1.55%	0.141%
36	17.527	2518	2523	2529	rBV3	12770	22756	1.84%	0.167%
37	17.598	2531	2535	2543	rVB4	6246	12791	1.04%	0.094%
38	18.068	2610	2615	2623	rBV5	24961	39256	3.18%	0.289%
39	18.621	2706	2709	2714	rVB	10786	14158	1.15%	0.104%
40	18.980	2757	2770	2775	rBV3	6738	16369	1.33%	0.120%
41	19.204	2803	2808	2811	rBV2	13697	19549	1.58%	0.144%
42	19.351	2829	2833	2846	rVB2	23655	37966	3.08%	0.279%
43	19.486	2853	2856	2863	rVV2	15869	24105	1.95%	0.177%
44	19.574	2865	2871	2884	rVB2	879168	1233872	100.00%	9.079%
45	21.368	3170	3176	3183	rBV	739945	969267	78.55%	7.132%
46	21.950	3272	3275	3279	rBV3	14315	16208	1.31%	0.119%
47	22.421	3351	3355	3361	rVB	29087	39503	3.20%	0.291%
48	22.933	3438	3442	3449	rVB	43679	62877	5.10%	0.463%
49	23.509	3532	3540	3552	rVB2	587879	1121279	90.87%	8.251%
50	23.656	3557	3565	3576	rVB	420689	836724	67.81%	6.157%
51	24.162	3646	3651	3659	rVB	62414	117330	9.51%	0.863%
52	24.927	3774	3781	3794	rVB	57591	126906	10.29%	0.934%
53	25.809	3925	3931	3942	rVB3	38625	96650	7.83%	0.711%
54	26.850	4102	4108	4117	rVB4	22905	65368	5.30%	0.481%

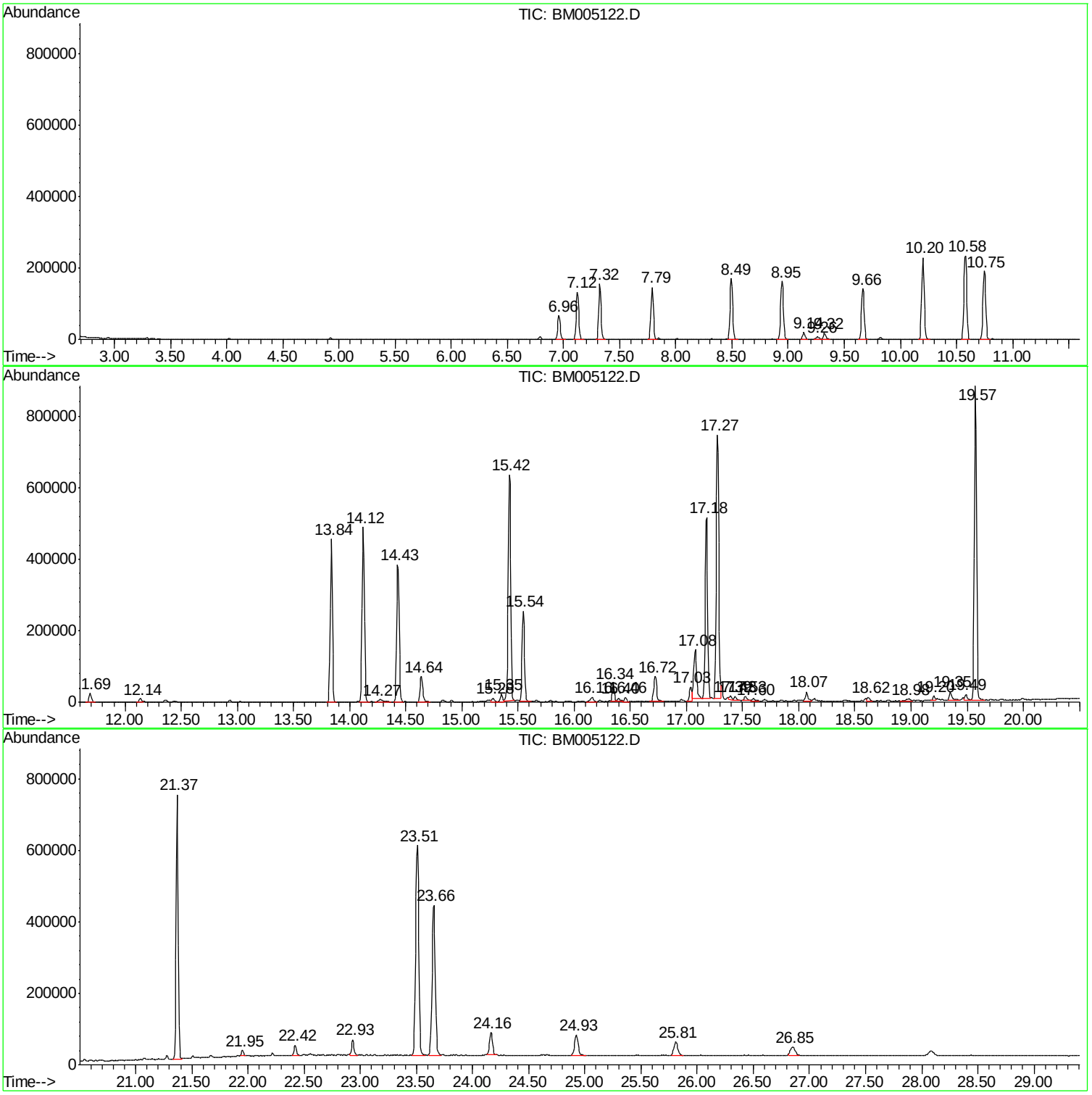
Sum of corrected areas: 13590398

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042816\
Data File : BM005122.D
Acq On : 28 Apr 2016 20:15
Operator : UM/SJ
Sample : H2639-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BC7N6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM042516.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\BM042816\
Data File : BM005122.D
Acq On : 28 Apr 2016 20:15
Operator : UM/SJ
Sample : H2639-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7N6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM042516.M
Quant Title : SVOA CALIBRATION

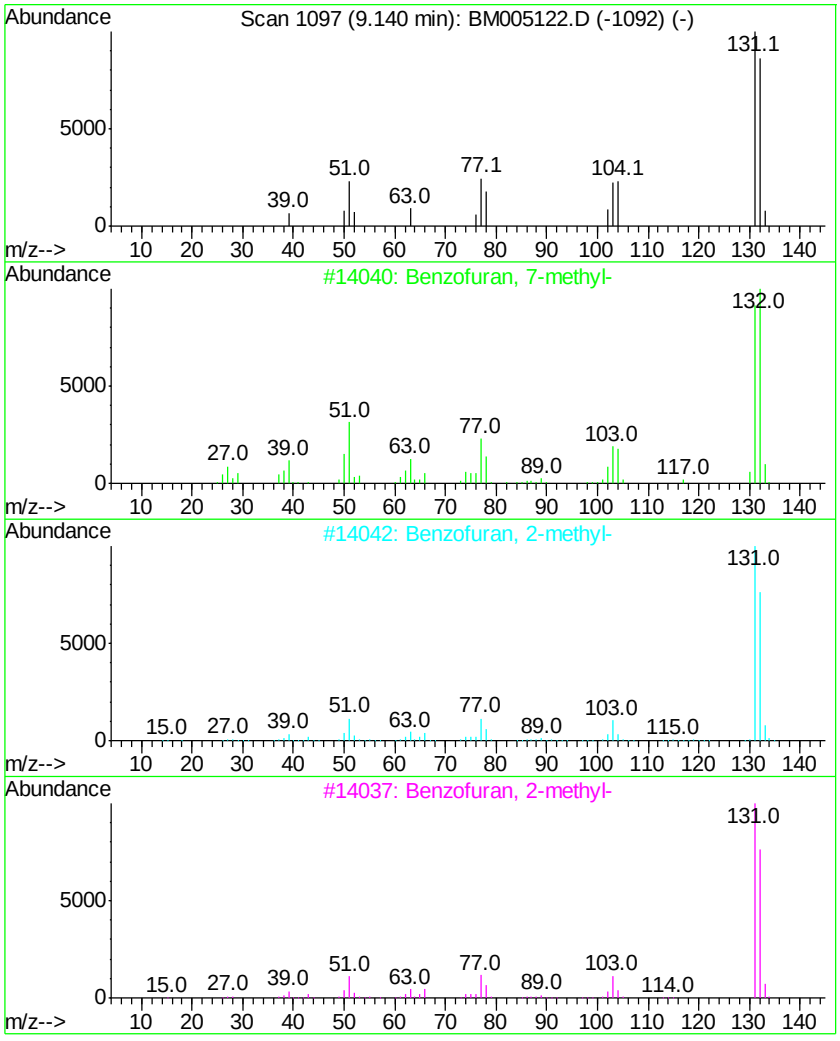
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

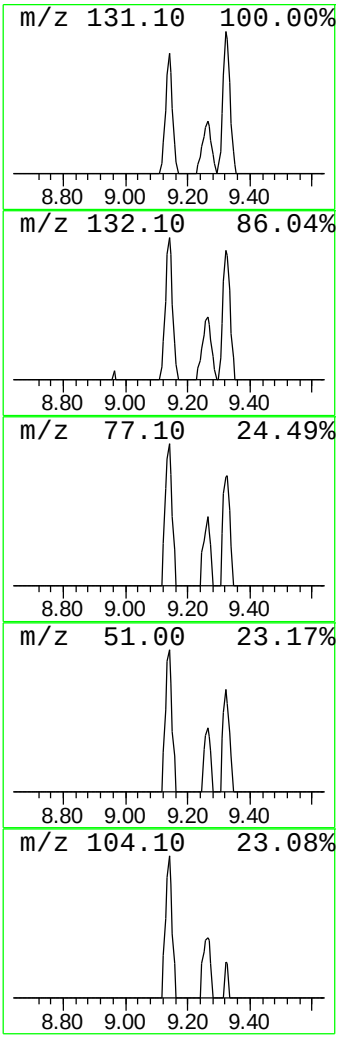
****

Peak Number 1 Benzofuran, 7-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.14	2.50 ng/ul	29194	1,4-Dichlorobenzene-d4	7.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	95
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
3	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
4	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	91
5	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91





Library Search Compound Report

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Data File : BM005122.D
Acq On : 28 Apr 2016 20:15
Operator : UM/SJ
Sample : H2639-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7N6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM042516.M
Quant Title : SVOA CALIBRATION

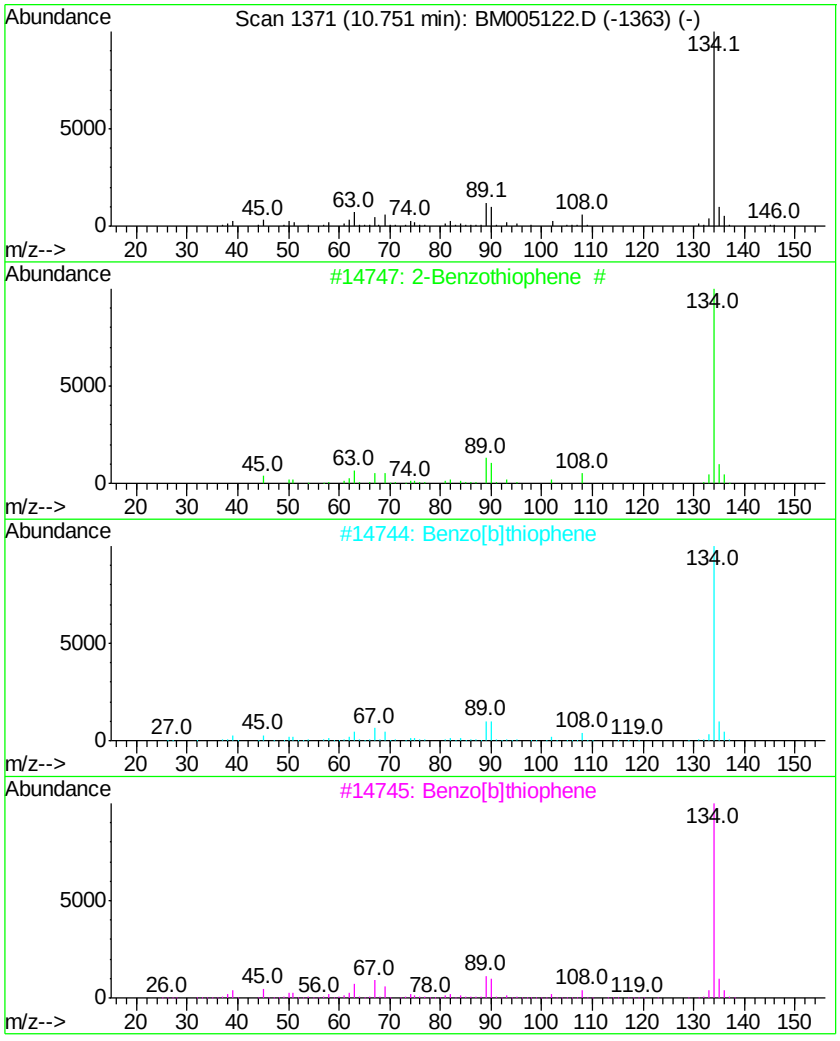
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

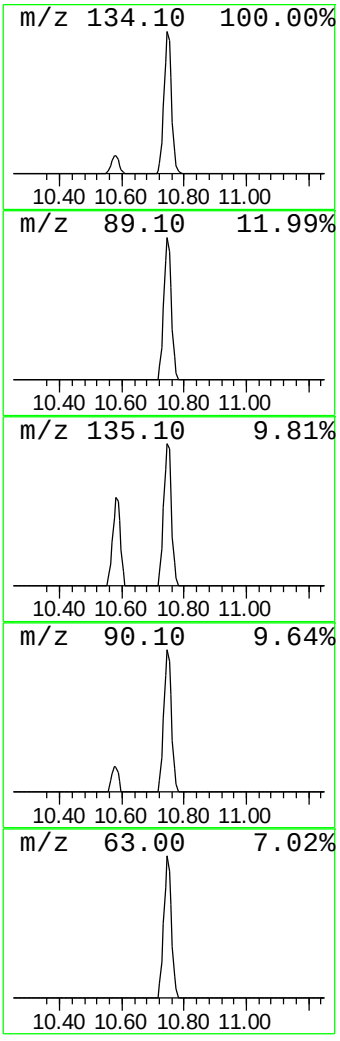
****

Peak Number 2 2-Benzothiophene # Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	16.11 ng/ul	322872	Naphthalene-d8	10.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Benzothiophene #	134	C8H6S	000270-82-6	97
2	Benzo[b]thiophene	134	C8H6S	000095-15-8	95
3	Benzo[b]thiophene	134	C8H6S	000095-15-8	94
4	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	90
5	Benzo[b]thiophene	134	C8H6S	000095-15-8	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042816\
Data File : BM005122.D
Acq On : 28 Apr 2016 20:15
Operator : UM/SJ
Sample : H2639-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7N6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM042516.M
Quant Title : SVOA CALIBRATION

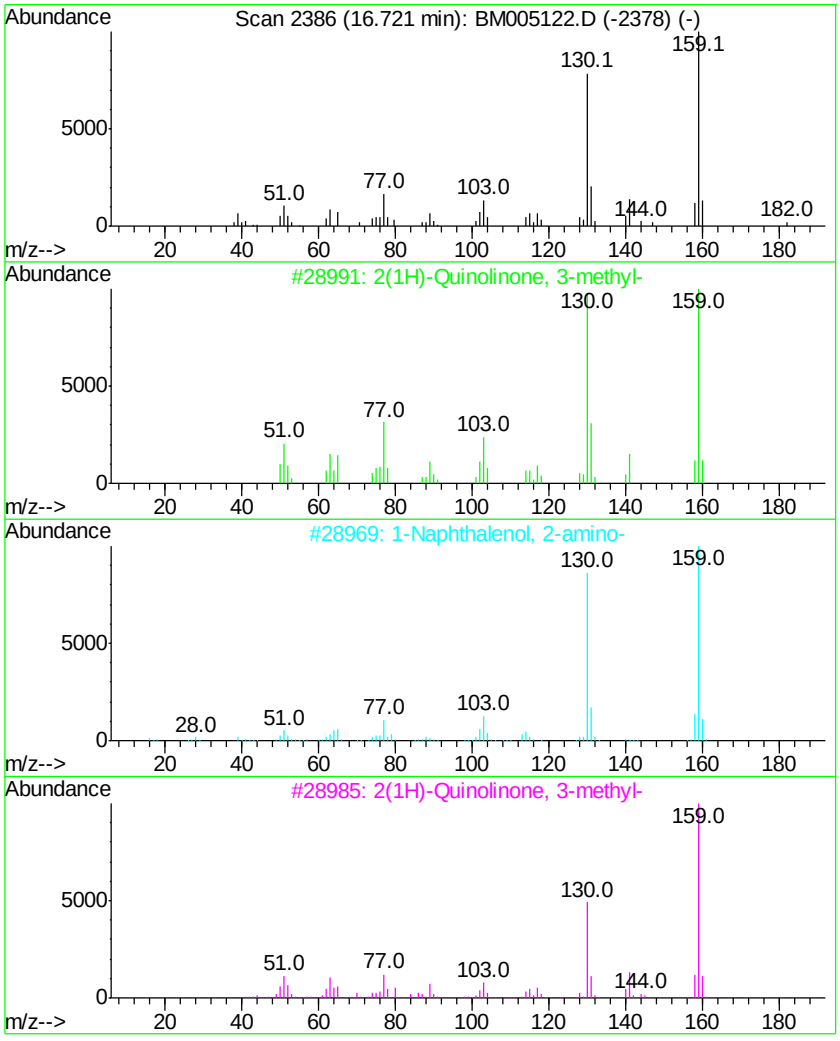
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

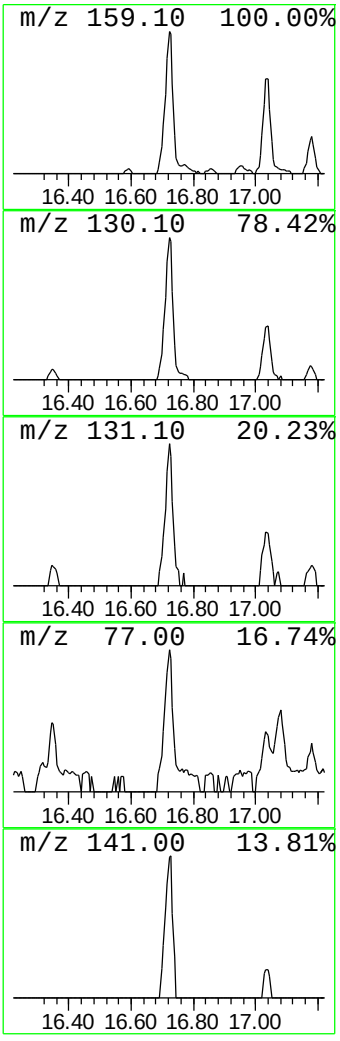
****

Peak Number 3 2(1H)-Quinolinone, 3-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.72	3.35 ng/ul	127093	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(1H)-Quinolinone, 3-methyl-	159	C10H9NO	002721-59-7	97
2	1-Naphthalenol, 2-amino-	159	C10H9NO	000606-41-7	94
3	2(1H)-Quinolinone, 3-methyl-	159	C10H9NO	002721-59-7	93
4	5-Amino-1-naphthol	159	C10H9NO	000083-55-6	90
5	3-Quinolinol, 2-methyl-	159	C10H9NO	000613-19-4	87





Library Search Compound Report

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Sample : H2639-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7N6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM042516.M
Quant Title : SVOA CALIBRATION

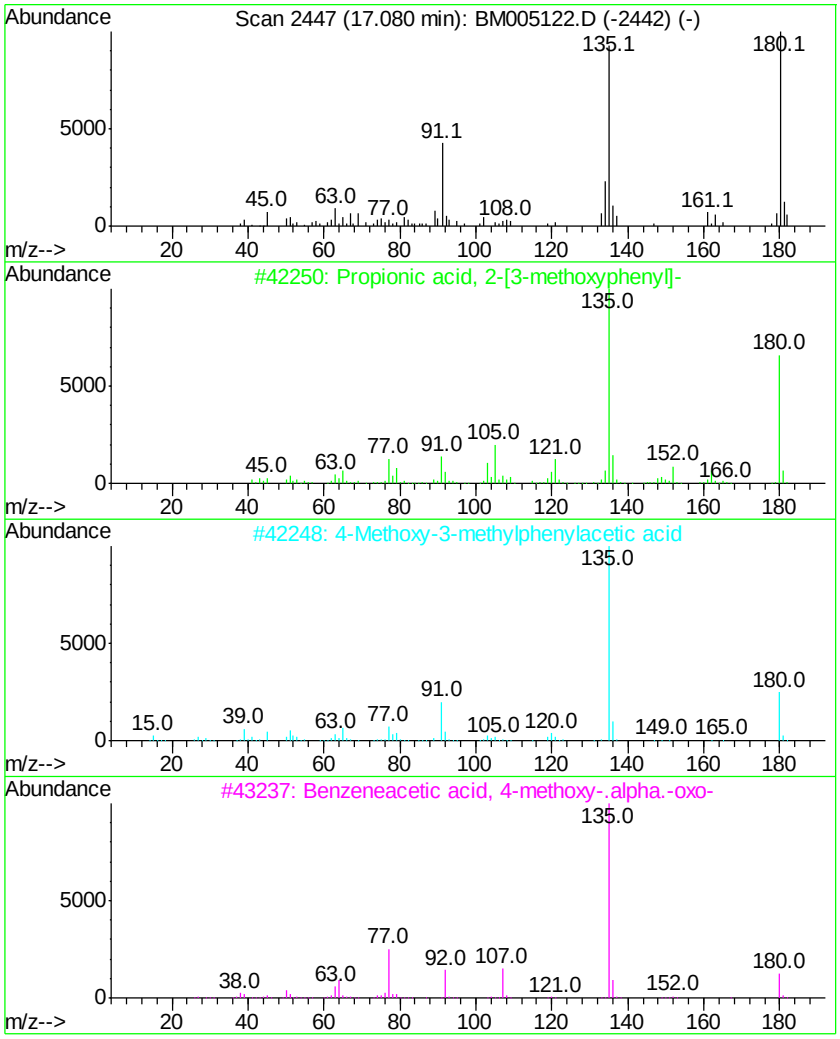
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

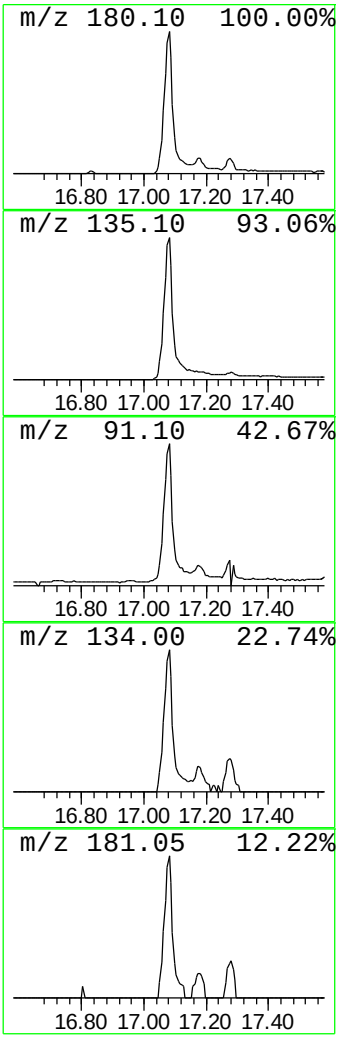
****

Peak Number 4 Propionic acid, 2-[3-methox... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.08	6.36 ng/ul	241363	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propionic acid, 2-[3-methoxyphen...	180	C10H12O3	1000128-52-3	64
2	4-Methoxy-3-methylphenylacetic acid	180	C10H12O3	004513-73-9	64
3	Benzeneacetic acid, 4-methoxy-.a...	180	C9H8O4	007099-91-4	64
4	4-Cyanothiophenol	135	C7H5NS	036801-01-1	38
5	Benzene, 1-isothiocyanato-3-nitro-	180	C7H4N2O2S	003529-82-6	38





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Instrument : BNA_M
ClientSampleId : BC7N6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM042516.M
Quant Title : SVOA CALIBRATION

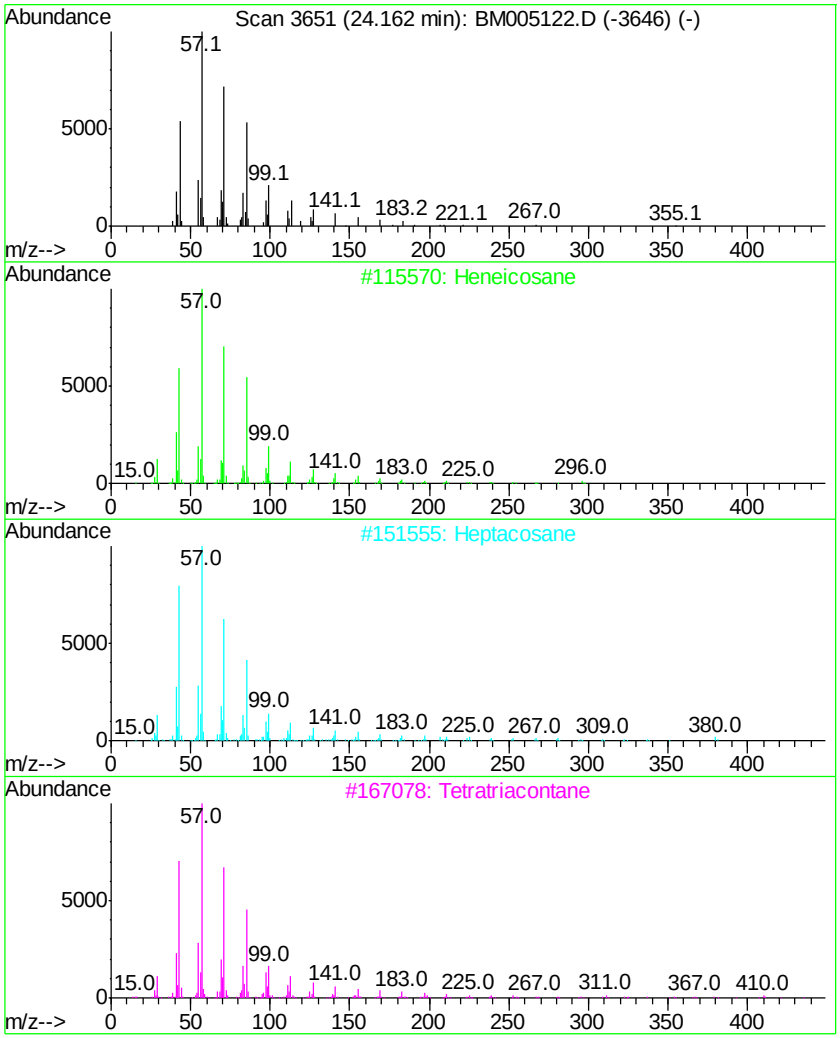
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

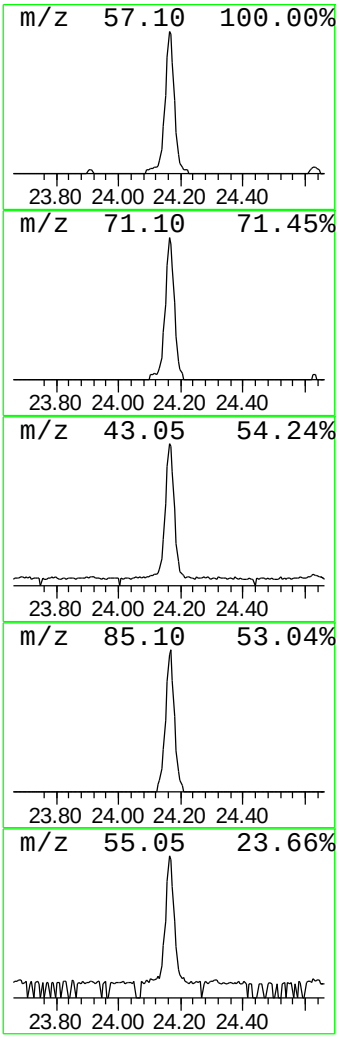
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.16	2.80 ng/ul	117330	Perylene-d12	23.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Heptacosane	380	C27H56	000593-49-7	91
3	Tetratriacontane	479	C34H70	014167-59-0	91
4	Octacosane	394	C28H58	000630-02-4	91
5	Octacosane	394	C28H58	000630-02-4	91





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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7N6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM042516.M
Quant Title : SVOA CALIBRATION

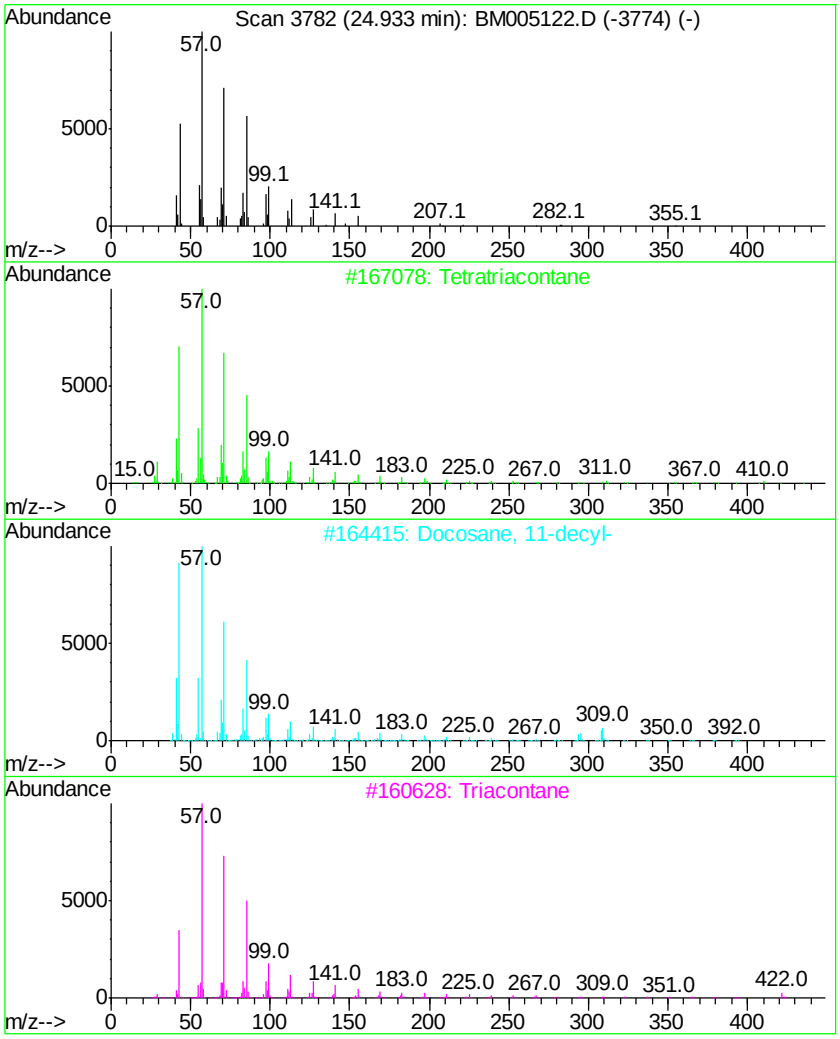
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

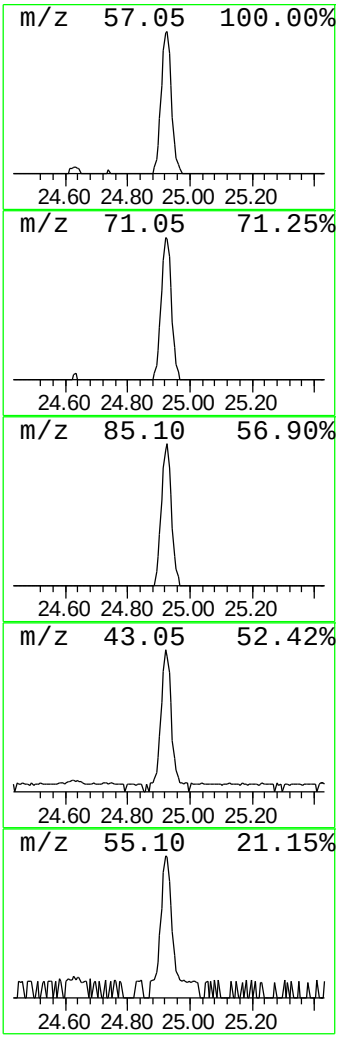
****

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.93	3.03 ng/ul	126906	Perylene-d12	23.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetratriacontane	479	C34H70	014167-59-0	91
2	Docosane, 11-decyl-	451	C32H66	055401-55-3	91
3	Triacontane	422	C30H62	000638-68-6	91
4	Tetratetracontane	619	C44H90	007098-22-8	91
5	Octacosane	394	C28H58	000630-02-4	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042816\
Data File : BM005122.D
Acq On : 28 Apr 2016 20:15
Operator : UM/SJ
Sample : H2639-05
Misc :
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Instrument : BNA_M
ClientSampleId : BC7N6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM042516.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
Benzofuran, 7-met...	9.14	2.5	ng/ul	29194	1	7.79	233643	20.0
2-Benzothiophene #	10.75	16.1	ng/ul	322872	2	10.58	400955	20.0
2(1H)-Quinolinone...	16.72	3.4	ng/ul	127093	4	17.18	759504	20.0
Propionic acid, 2...	17.08	6.4	ng/ul	241363	4	17.18	759504	20.0
(DEL) Alkane: Str...	24.16	2.8	ng/ul	117330	6	23.66	836724	20.0
(DEL) Alkane: Str...	24.93	3.0	ng/ul	126906	6	23.66	836724	20.0