LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042816\
Data File : BM005119.D
Acq On : 28 Apr 2016 18:26
Operator : UM/SJ
Sample : H2639-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7S6

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	6.798	693	699	704	rBB2	9906	16588	1.61%	0.147%
2	6.957	721	726	734	rVB	53681	81247	7.91%	0.721%
3	7.122	749	754	763	rBB	119828	181758	17.69%	1.613%
4	7.322	782	788	796	rBB	138248	210385	20.48%	1.867%
5	7.792	860	868	874	rBV	148377	238261	23.20%	2.114%
6	8.492	981	987	997	rVB	143718	223814	21.79%	1.986%
7	8.945	1057	1064	1073	rBV	144402	239824	23.35%	2.128%
8	9.139	1092	1097	1102	rVB	22138	33003	3.21%	0.293%
9	9.257	1111	1117	1124	rBB2	6757	15837	1.54%	0.141%
10	9.328	1124	1129	1134	rBB	11620	18404	1.79%	0.163%
11	9.663	1181	1186	1194	rBV	124515	202148	19.68%	1.794%
12	10.198	1271	1277	1287	rBV	197775	329894	32.12%	2.928%
13	10.575	1335	1341	1348	rBV	230839	392591	38.22%	3.484%
14	10.745	1362	1370	1379	rBB	201417	345212	33.61%	3.063%
15	11.369	1472	1476	1482	rBB	11102	17032	1.66%	0.151%
16	11.686	1525	1530	1539	rBB	32199	53392	5.20%	0.474%
17	12.139	1602	1607	1611	rBV	8110	13382	1.30%	0.119%
18	13.839	1888	1896	1904	rBV	403730	562502	54.76%	4.992%
19	14.121	1938	1944	1952	rVB	449105	664981	64.74%	5.901%
20	14.280	1961	1971	1980	rBV4	7864	24474	2.38%	0.217%
21	14.427	1991	1996	2004	rVB2	362148	573101	55.79%	5.086%
22	14.639	2027	2032	2043	rBV	49151	83006	8.08%	0.737%
23	14.845	2061	2067	2074	rBV3	20034	34512	3.36%	0.306%
24	15.351	2148	2153	2157	rBV	14867	21883	2.13%	0.194%
25	15.421	2157	2165	2172	rVV	580785	845332	82.30%	7.502%
26	15.545	2181	2186	2193	rBV	204434	278363	27.10%	2.470%
27	16.157	2280	2290	2296	rBV	43824	83645	8.14%	0.742%
28	16.315	2309	2317	2319	rBV	9079	12448	1.21%	0.110%
29	16.345	2319	2322	2327	rVB	21082	26350	2.57%	0.234%
30	16.457	2334	2341	2346	rBV2	10094	13482	1.31%	0.120%
31	16.709	2376	2384	2396	rBV	87045	164076	15.97%	1.456%
32	16.957	2418	2426	2430	rBV5	6701	15017	1.46%	0.133%
33	17.015	2430	2436	2441	rVV	70430	116484	11.34%	1.034%
34	17.068	2441	2445	2453	rVB	24255	38652	3.76%	0.343%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042816\
Data File : BM005119.D
Acq On : 28 Apr 2016 18:26
Operator : UM/SJ
Sample : H2639-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7S6

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	17.174	2458	2463	2469	rVV2	476593	705191	68.65%	6.258%
36	17.274	2473	2480	2485	rVV2	685079	1027182	100.00%	9.115%
37	17.315	2485	2487	2496	rVV2	60516	83215	8.10%	0.738%
38	17.386	2496	2499	2503	rVV	10102	14265	1.39%	0.127%
39	17.439	2503	2508	2517	rVB2	37097	66885	6.51%	0.594%
40	17.521	2517	2522	2527	rBV2	9700	14540	1.42%	0.129%
41	18.068	2611	2615	2621	rBV3	20501	28856	2.81%	0.256%
42	18.139	2622	2627	2633	rVB	43991	57349	5.58%	0.509%
43	19.350	2828	2833	2840	rBV	15537	23810	2.32%	0.211%
44	19.486	2853	2856	2861	rVB2	11464	14662	1.43%	0.130%
45	19.574	2865	2871	2878	rBV	730239	993191	96.69%	8.814%
46	21.274	3156	3160	3165	rBV	27662	29314	2.85%	0.260%
47	21.368	3170	3176	3183	rBV	562295	716251	69.73%	6.356%
48	22.933	3439	3442	3449	rVB3	9200	12114	1.18%	0.108%
49	23.503	3532	3539	3548	rBV2	378527	712592	69.37%	6.324%
50	23.650	3556	3564	3574	rVB	298498	578687	56.34%	5.135%
51	24.156	3648	3650	3657	rVB2	11247	19543	1.90%	0.173%

Sum of corrected areas: 11268727

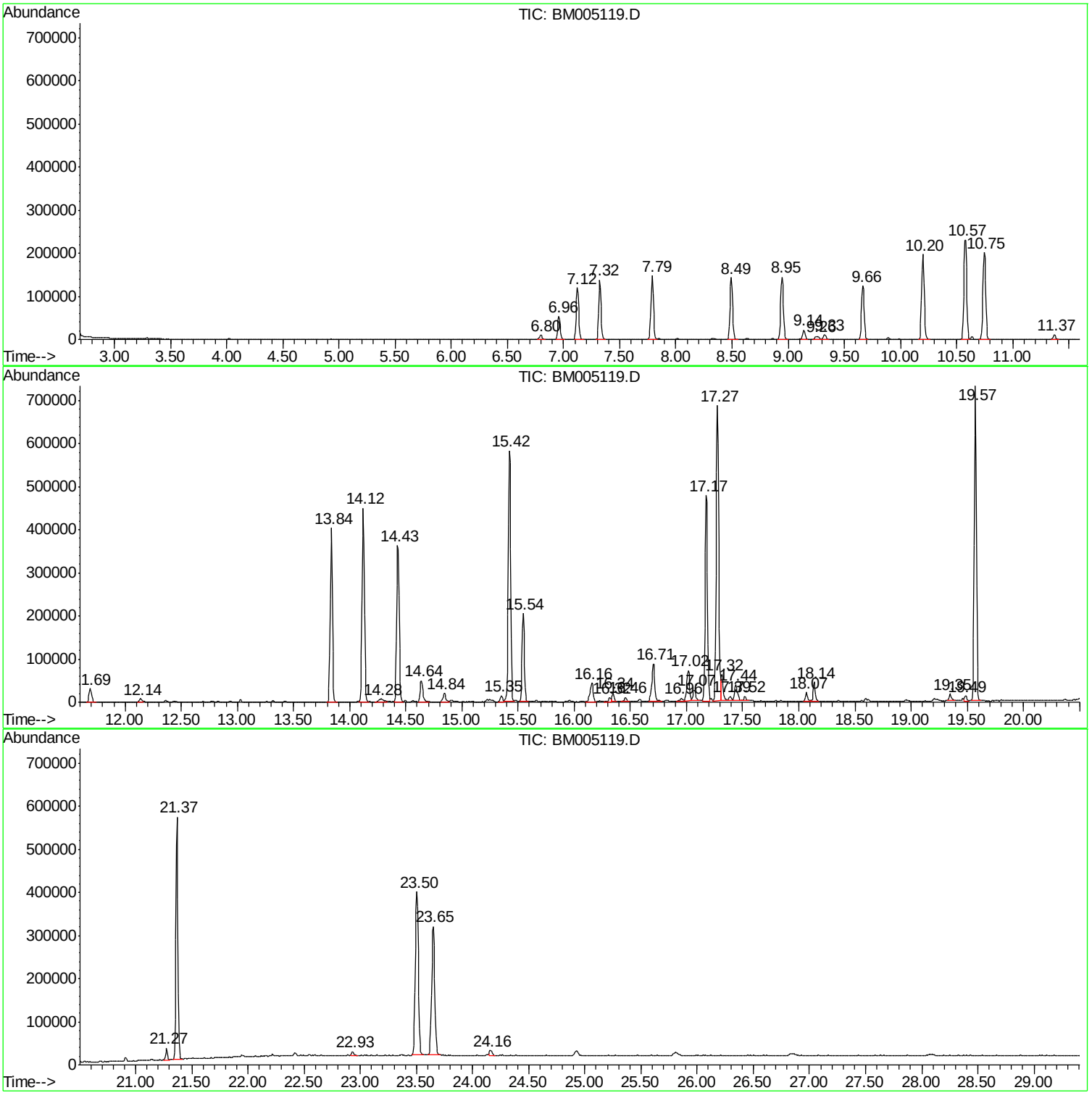
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042816\
Data File : BM005119.D
Acq On : 28 Apr 2016 18:26
Operator : UM/SJ
Sample : H2639-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7S6

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 : BM005119.D
Acq On : 28 Apr 2016 18:26
Operator : UM/SJ
Sample : H2639-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7S6

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

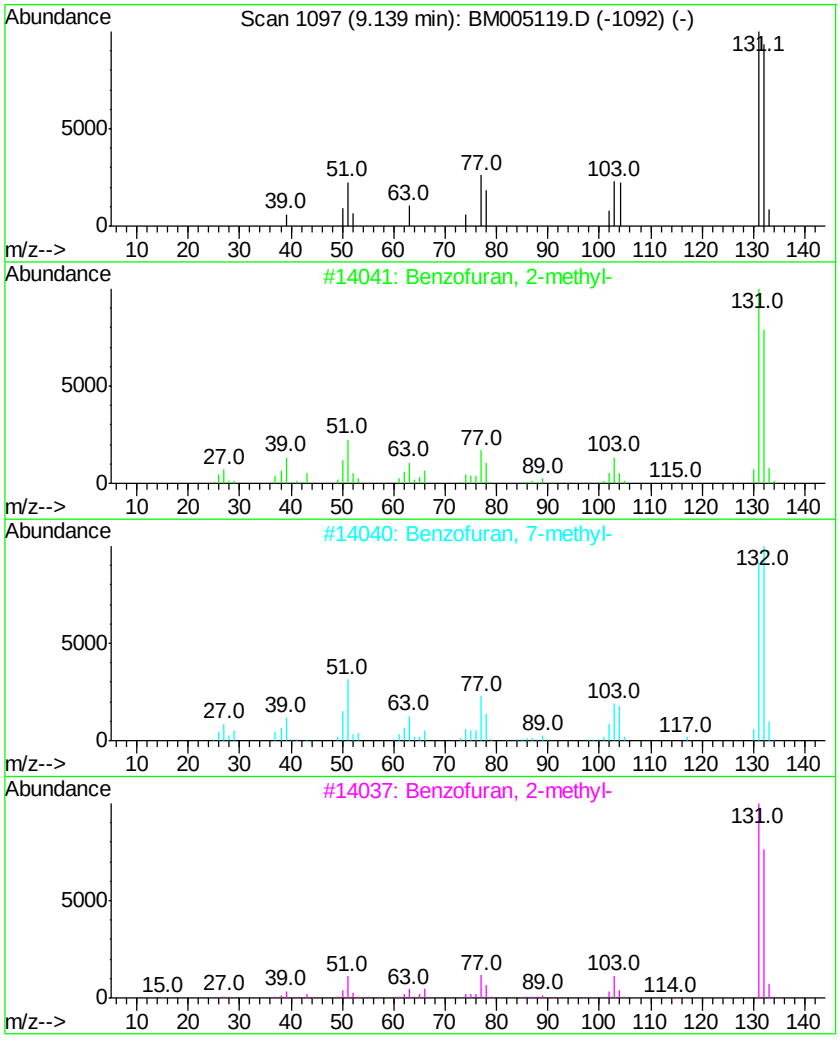
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

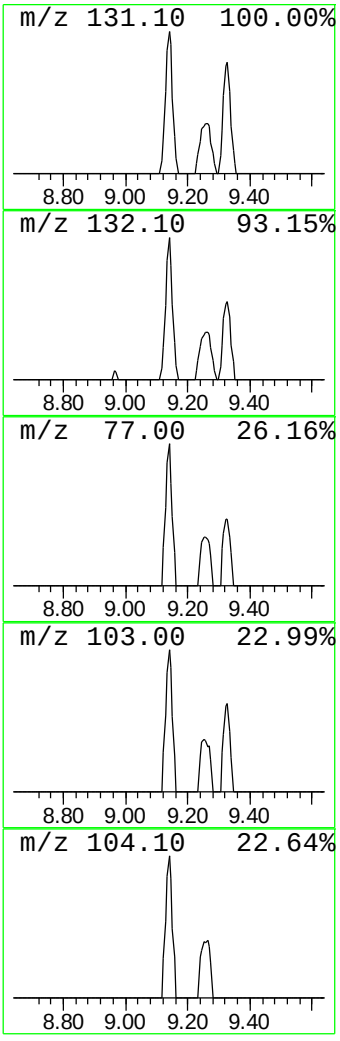
****

Peak Number 1 Benzofuran, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.14	2.77 ng/ul	33003	1,4-Dichlorobenzene-d4	7.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
2	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	91
3	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
4	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	90
5	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042816\
Data File : BM005119.D
Acq On : 28 Apr 2016 18:26
Operator : UM/SJ
Sample : H2639-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7S6

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

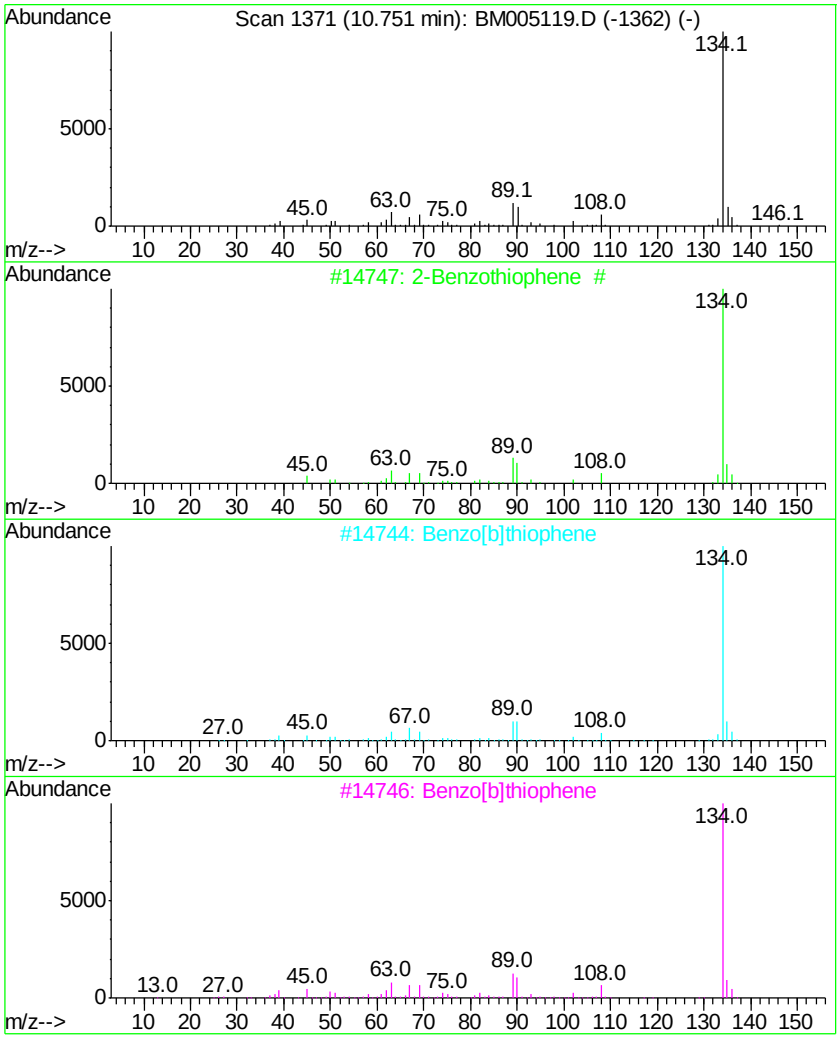
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

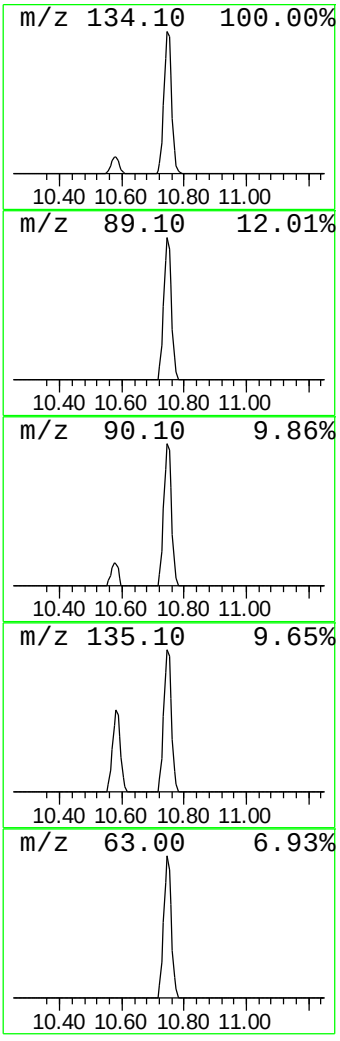
****

Peak Number 2 2-Benzothiophene # Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	17.59 ng/ul	345212	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	95
4	Benzo[b]thiophene	134	C8H6S	000095-15-8	94
5	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94





Data Path : Z:\HPCHEM1\BNA M\DATA\BM042816\
Data File : BM005119.D
Acq On : 28 Apr 2016 18:26
Operator : UM/SJ
Sample : H2639-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7S6

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

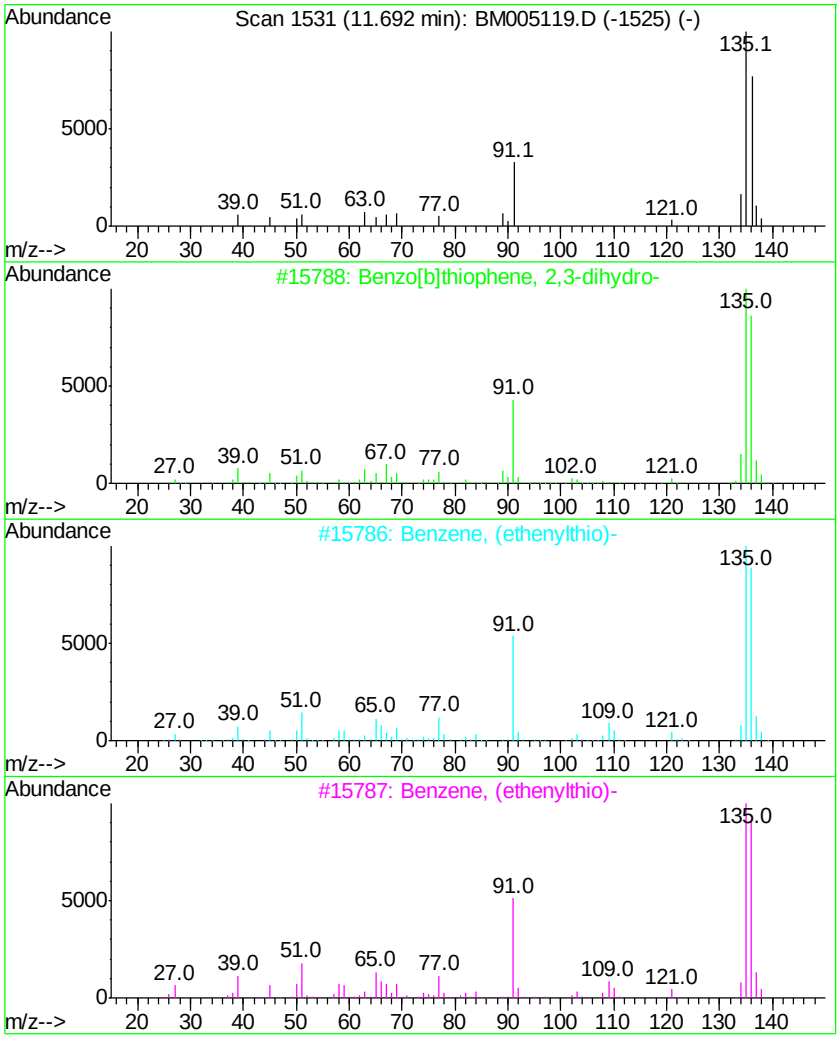
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

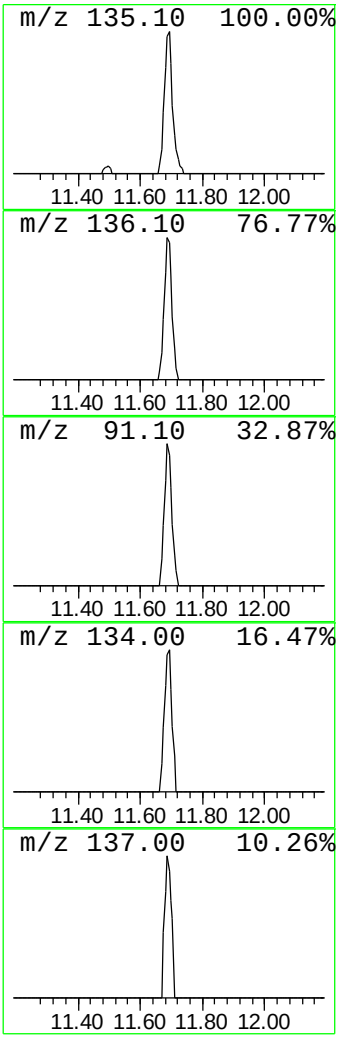
****

Peak Number 3 Benzo[b]thiophene, 2,3-dihy... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.69	2.72 ng/ul	53392	Naphthalene-d8	10.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 2,3-dihydro-	136	C8H8S	004565-32-6	91
2	Benzene, (ethenylthio)-	136	C8H8S	001822-73-7	83
3	Benzene, (ethenylthio)-	136	C8H8S	001822-73-7	83
4	Benzo[c]thiophene, 1,3-dihydro-	136	C8H8S	002471-92-3	83
5	Benzo[b]thiophene, 2,3-dihydro-	136	C8H8S	004565-32-6	76





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042816\
Data File : BM005119.D
Acq On : 28 Apr 2016 18:26
Operator : UM/SJ
Sample : H2639-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7S6

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

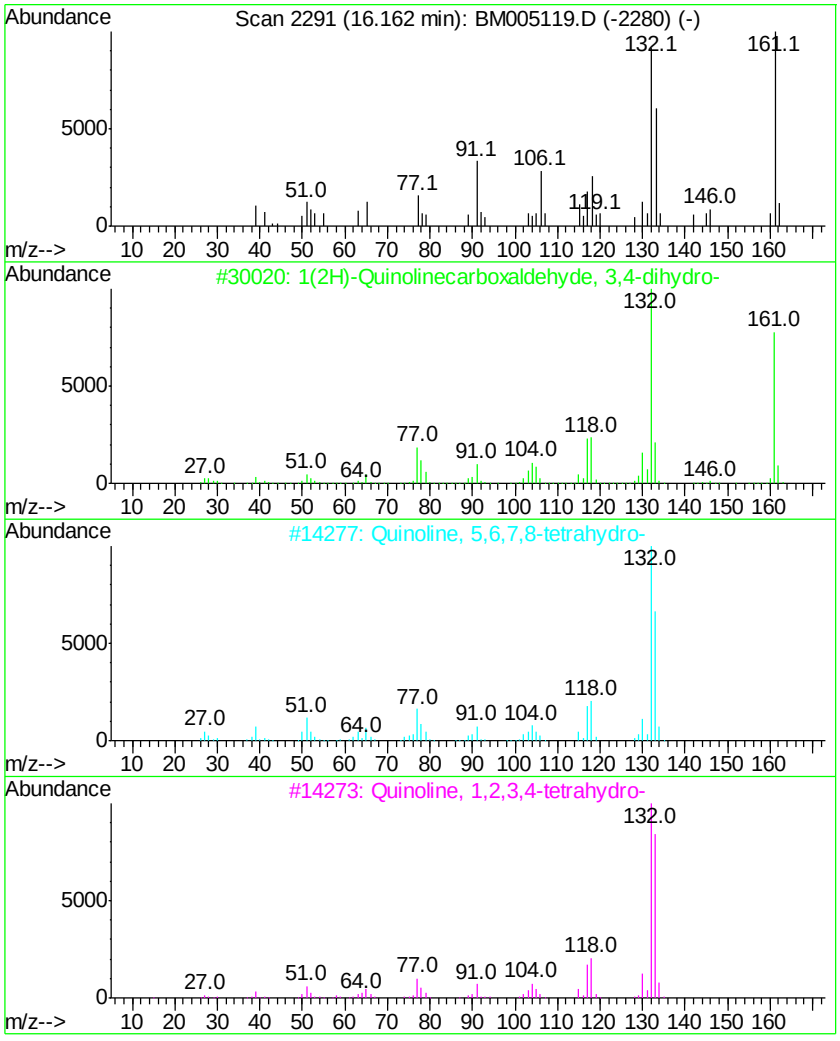
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

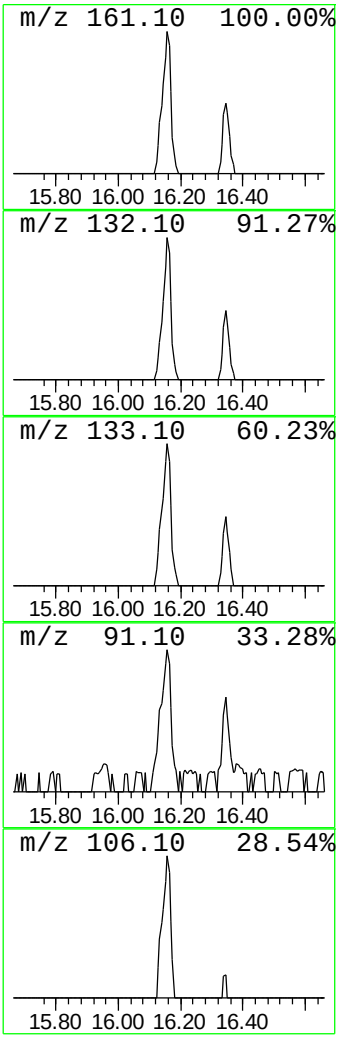
****

Peak Number 4 1(2H)-Quinolinecarboxaldehy... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.16	2.37 ng/ul	83645	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Quinolinecarboxaldehyde, 3...	161	C10H11NO	002739-16-4	64
2	Quinoline, 5,6,7,8-tetrahydro-	133	C9H11N	010500-57-9	55
3	Quinoline, 1,2,3,4-tetrahydro-	133	C9H11N	000635-46-1	49
4	Quinoline, 1,2,3,4-tetrahydro-	133	C9H11N	000635-46-1	45
5	Quinoline, 1,2,3,4-tetrahydro-	133	C9H11N	000635-46-1	45





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042816\
Data File : BM005119.D
Acq On : 28 Apr 2016 18:26
Operator : UM/SJ
Sample : H2639-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7S6

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

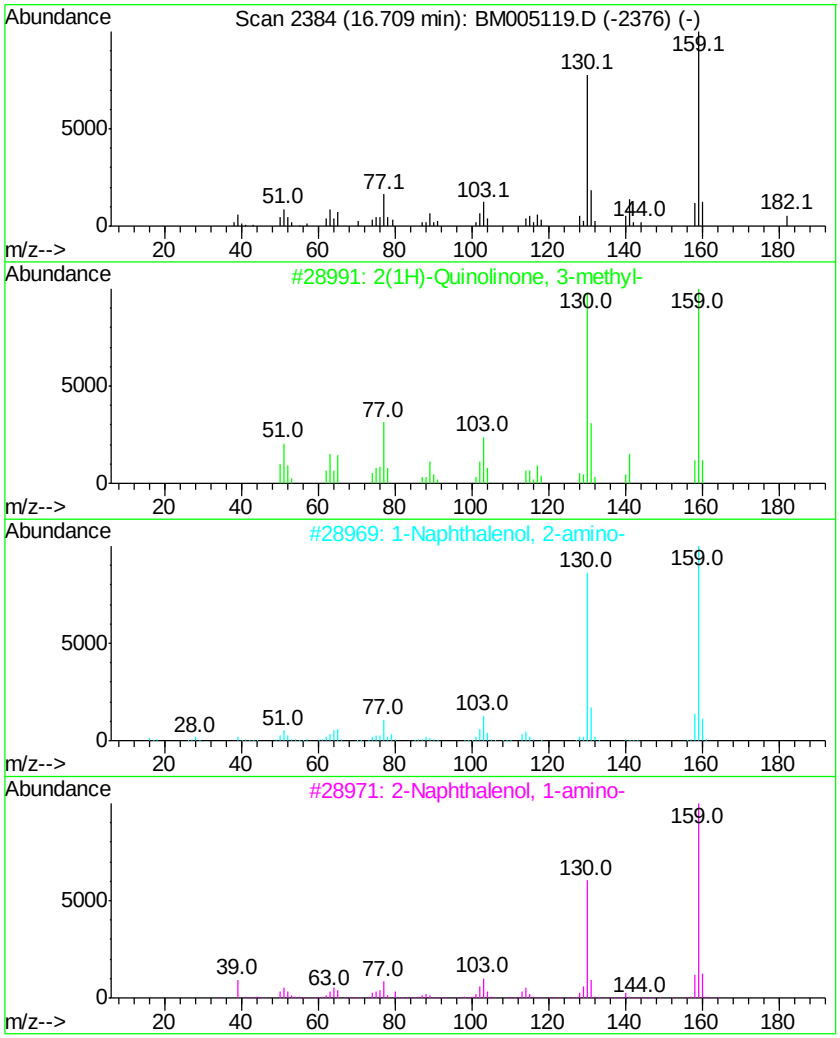
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

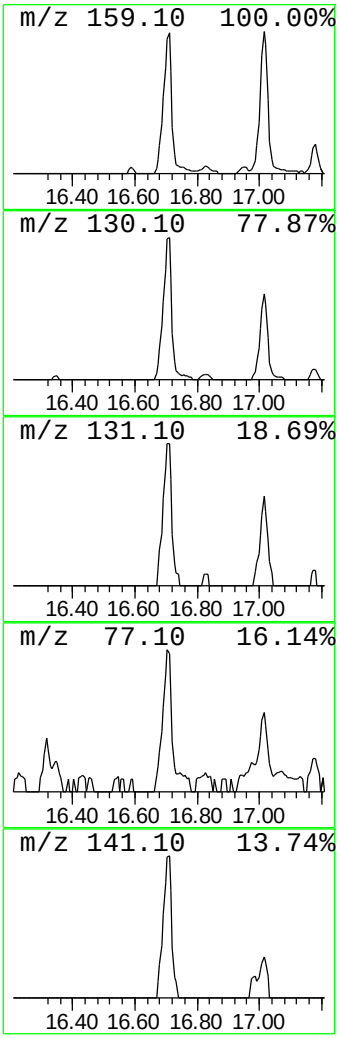
****

Peak Number 5 2(1H)-Quinolinone, 3-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.71	4.65 ng/ul	164076	Phenanthrene-d10	17.17

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	95
3	2-Naphthalenol, 1-amino-	159	C10H9NO	002834-92-6	90
4	5-Amino-1-naphthol	159	C10H9NO	000083-55-6	90
5	2(1H)-Quinolinone, 4-methyl-	159	C10H9NO	000607-66-9	87





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042816\
Data File : BM005119.D
Acq On : 28 Apr 2016 18:26
Operator : UM/SJ
Sample : H2639-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7S6

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

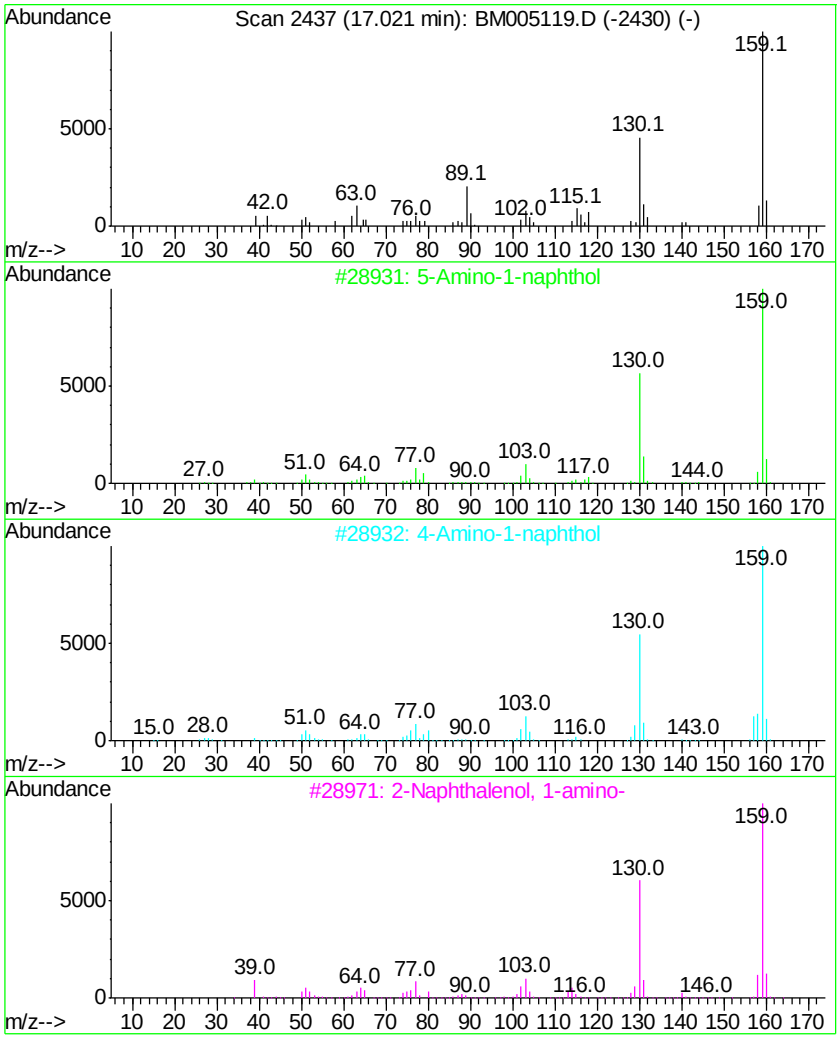
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

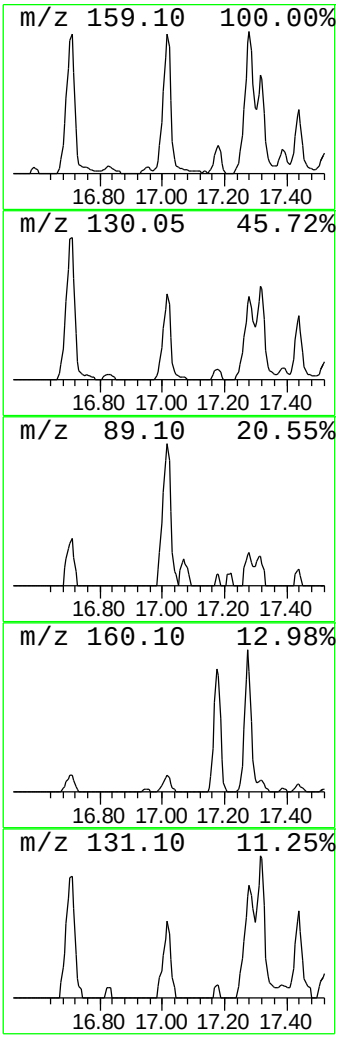
****

Peak Number 6 5-Amino-1-naphthol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.02	3.30 ng/ul	116484	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Amino-1-naphthol	159	C10H9NO	000083-55-6	81
2	4-Amino-1-naphthol	159	C10H9NO	002834-90-4	76
3	2-Naphthalenol, 1-amino-	159	C10H9NO	002834-92-6	76
4	2(1H)-Quinolinone, 1-methyl-	159	C10H9NO	000606-43-9	74
5	2(1H)-Quinolinone, 3-methyl-	159	C10H9NO	002721-59-7	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042816\
Data File : BM005119.D
Acq On : 28 Apr 2016 18:26
Operator : UM/SJ
Sample : H2639-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7S6

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, 2-met...	9.14	2.8	ng/ul	33003	1	7.79	238261	20.0
2-Benzothiophene #	10.75	17.6	ng/ul	345212	2	10.58	392591	20.0
Benzo[b]thiophene...	11.69	2.7	ng/ul	53392	2	10.58	392591	20.0
1(2H)-Quinolineca...	16.16	2.4	ng/ul	83645	4	17.17	705191	20.0
2(1H)-Quinolinone...	16.71	4.7	ng/ul	164076	4	17.17	705191	20.0
5-Amino-1-naphthol	17.02	3.3	ng/ul	116484	4	17.17	705191	20.0