LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005006.D
Acq On : 21 Apr 2016 00:32
Operator : UM/SJ
Sample : H2567-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M2

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-BM041416.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	3.281	97	101	104	rBV	15703	21325	1.31%	0.098%
2	5.340	445	451	457	rBB	14983	20408	1.25%	0.094%
3	5.487	469	476	482	rBB	9033	16820	1.03%	0.078%
4	5.834	528	535	540	rBB2	17994	27886	1.71%	0.128%
5	6.975	723	729	736	rBV	81165	131450	8.07%	0.606%
6	7.140	751	757	764	rBV	182578	277187	17.01%	1.277%
7	7.339	785	791	802	rBV	206635	327542	20.10%	1.509%
8	7.457	806	811	816	rBB	14404	18591	1.14%	0.086%
9	7.534	819	824	829	rBB	13300	19132	1.17%	0.088%
10	7.810	865	871	880	rBV	189081	306191	18.79%	1.411%
11	8.181	928	934	940	rBB	89379	137390	8.43%	0.633%
12	8.339	955	961	975	rBV	366118	599598	36.80%	2.763%
13	8.504	984	989	999	rBV	192232	313227	19.22%	1.443%
14	8.963	1060	1067	1078	rBV2	215895	452101	27.75%	2.083%
15	9.157	1094	1100	1107	rBB	71601	111331	6.83%	0.513%
16	9.281	1113	1121	1127	rBV	64652	130363	8.00%	0.601%
17	9.345	1127	1132	1139	rVB	29949	47545	2.92%	0.219%
18	9.681	1184	1189	1199	rBB	168814	279524	17.15%	1.288%
19	10.004	1238	1244	1253	rBB4	12371	33223	2.04%	0.153%
20	10.216	1274	1280	1290	rBV	265517	448160	27.50%	2.065%
21	10.598	1338	1345	1349	rBV	270865	479172	29.41%	2.208%
22	10.651	1349	1354	1361	rVB	942593	1629420	100.00%	7.508%
23	10.769	1366	1374	1382	rVB	389668	700817	43.01%	3.229%
24	12.151	1603	1609	1620	rBB	42663	73722	4.52%	0.340%
25	12.263	1623	1628	1633	rBB2	11141	17692	1.09%	0.082%
26	12.480	1653	1665	1673	rBV2	71140	118275	7.26%	0.545%
27	13.274	1794	1800	1807	rBV	141347	210590	12.92%	0.970%
28	13.763	1878	1883	1888	rVB2	11997	17996	1.10%	0.083%
29	13.851	1892	1898	1903	rVV	551093	760922	46.70%	3.506%
30	13.898	1903	1906	1913	rVB	69378	86758	5.32%	0.400%
31	14.139	1940	1947	1959	rBV2	567155	1002419	61.52%	4.619%
32	14.445	1990	1999	2005	rBV2	392787	611627	37.54%	2.818%
33	14.510	2005	2010	2018	rVB	646523	961643	59.02%	4.431%
34	14.645	2028	2033	2043	rBV	55072	95285	5.85%	0.439%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005006.D
Acq On : 21 Apr 2016 00:32
Operator : UM/SJ
Sample : H2567-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M2

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-BM041416.M
Title : SVOA CALIBRATION

35	14.757	2047	2052	2058	rVB	12061	16669	1.02%	0.077%
36	14.845	2061	2067	2075	rBV	353564	519465	31.88%	2.394%
37	14.915	2075	2079	2088	rVB	11436	19189	1.18%	0.088%
38	15.439	2162	2168	2174	rBV	767661	1109768	68.11%	5.114%
39	15.557	2183	2188	2195	rBV	257167	349378	21.44%	1.610%
40	15.786	2223	2227	2233	rVB3	34381	52171	3.20%	0.240%
41	15.933	2248	2252	2261	rVB	31418	50412	3.09%	0.232%
42	16.162	2283	2291	2299	rBV4	51597	107431	6.59%	0.495%
43	16.462	2336	2342	2351	rVB3	14846	31023	1.90%	0.143%
44	16.692	2376	2381	2390	rBV	28121	49505	3.04%	0.228%
45	16.833	2399	2405	2420	rVB	26679	47339	2.91%	0.218%
46	16.945	2420	2424	2428	rBV2	12523	16484	1.01%	0.076%
47	17.009	2430	2435	2441	rVV2	46711	70360	4.32%	0.324%
48	17.080	2441	2447	2456	rVV	99340	173150	10.63%	0.798%
49	17.192	2460	2466	2469	rVV	489974	706756	43.37%	3.257%
50	17.233	2469	2473	2477	rVV	516588	740473	45.44%	3.412%
51	17.292	2477	2483	2494	rVB	857989	1351260	82.93%	6.226%
52	17.527	2517	2523	2529	rBV	43341	77538	4.76%	0.357%
53	17.592	2529	2534	2545	rVV	465084	726234	44.57%	3.346%
54	17.704	2545	2553	2559	rVV5	19821	48314	2.97%	0.223%
55	18.080	2613	2617	2619	rBV2	30607	35503	2.18%	0.164%
56	18.109	2619	2622	2627	rVB	39328	50794	3.12%	0.234%
57	18.409	2670	2673	2679	rVB	22867	31559	1.94%	0.145%
58	18.503	2684	2689	2695	rVB	15159	21022	1.29%	0.097%
59	19.356	2828	2834	2841	rBV2	29437	46353	2.84%	0.214%
60	19.498	2855	2858	2863	rVB	23899	27332	1.68%	0.126%
61	19.586	2866	2873	2880	rBV	1010684	1463528	89.82%	6.744%
62	19.921	2926	2930	2936	rBV	14067	16863	1.03%	0.078%
63	20.056	2948	2953	2963	rBV	62371	84813	5.21%	0.391%
64	20.339	2997	3001	3007	rBV	16476	27198	1.67%	0.125%
65	21.374	3171	3177	3185	rBV	682075	855041	52.48%	3.940%
66	23.515	3533	3541	3555	rBV2	752926	1458032	89.48%	6.718%
67	23.656	3557	3565	3578	rBV	417920	835472	51.27%	3.850%

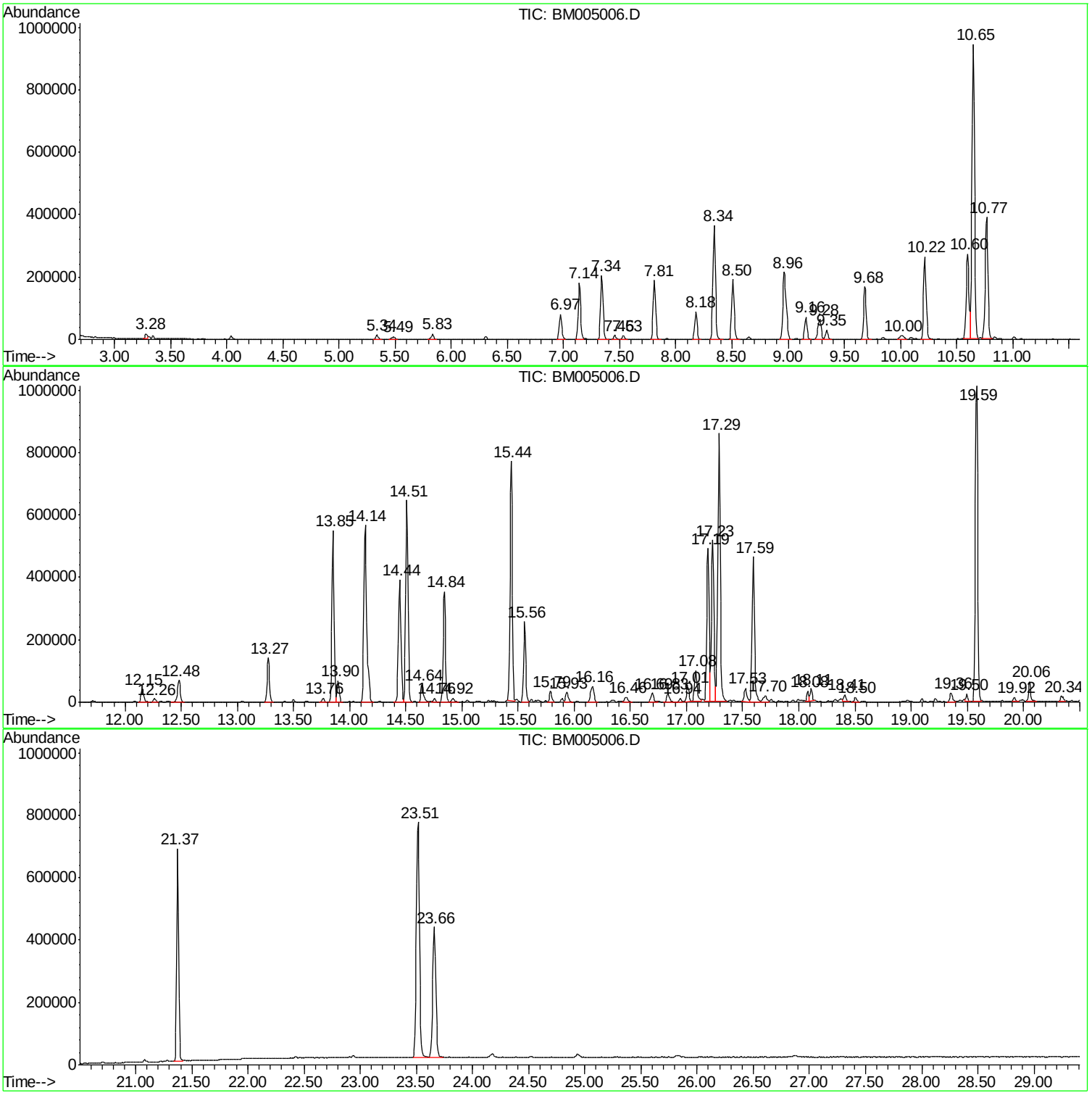
Sum of corrected areas: 21701761

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005006.D
Acq On : 21 Apr 2016 00:32
Operator : UM/SJ
Sample : H2567-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BC7M2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.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\BM042016\
Data File : BM005006.D
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Operator : UM/SJ
Sample : H2567-04
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Instrument : BNA_M
ClientSampleId : BC7M2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

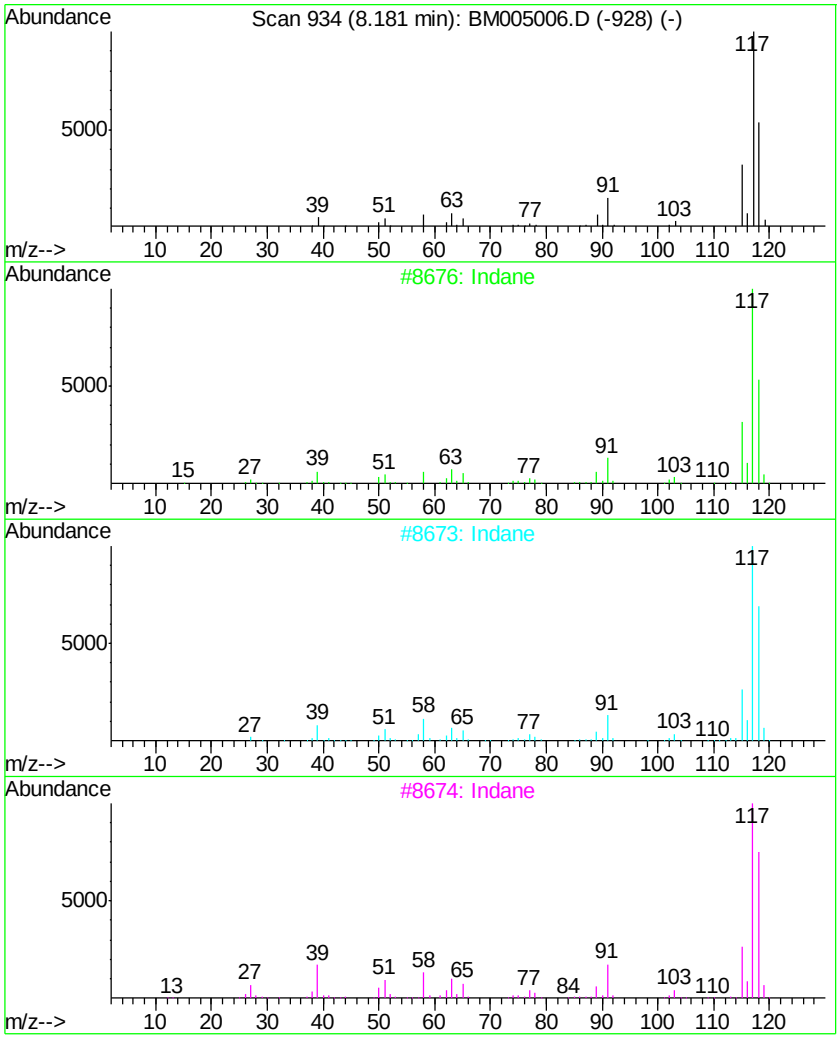
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

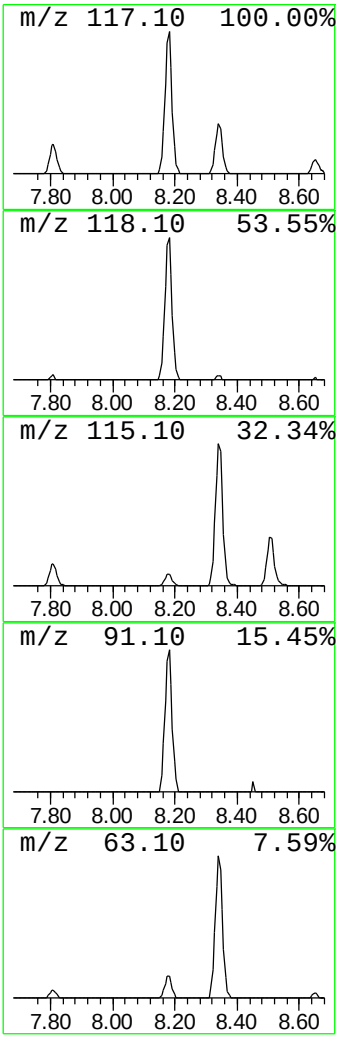
****

Peak Number 1 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.18	8.97 ng/ul	137390	1,4-Dichlorobenzene-d4	7.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Indane	118	C9H10	000496-11-7	87
3	Indane	118	C9H10	000496-11-7	64
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	64
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005006.D
Acq On : 21 Apr 2016 00:32
Operator : UM/SJ
Sample : H2567-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

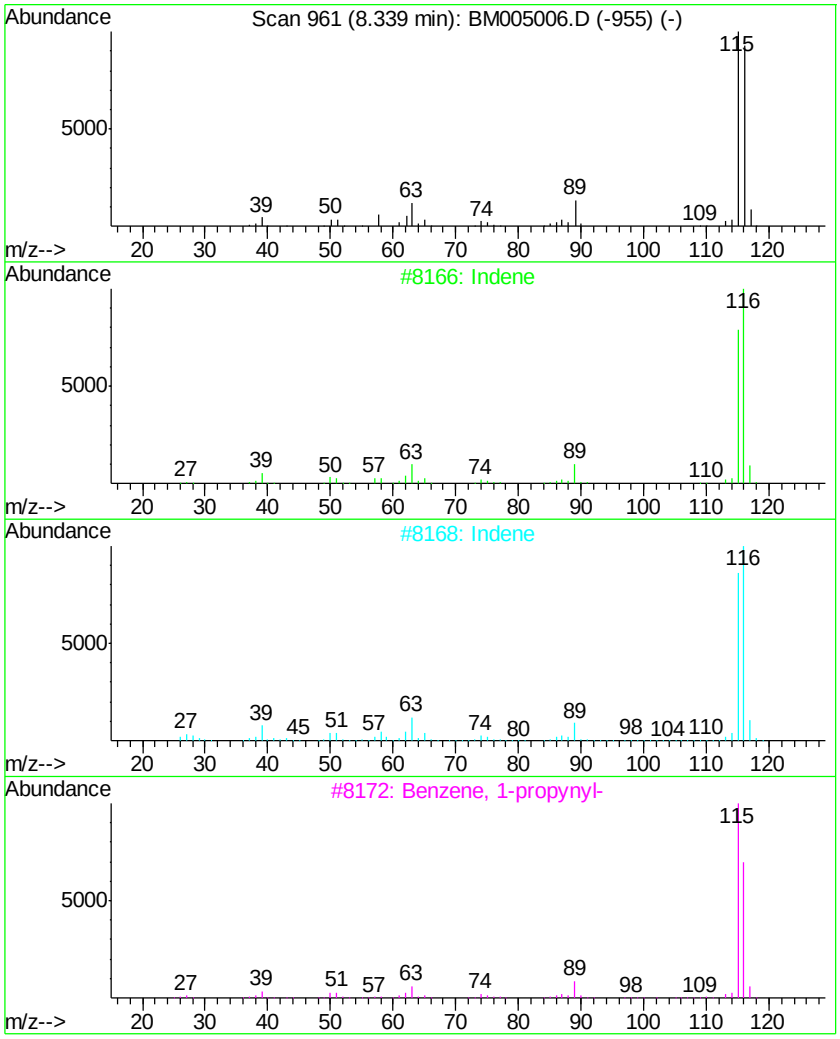
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

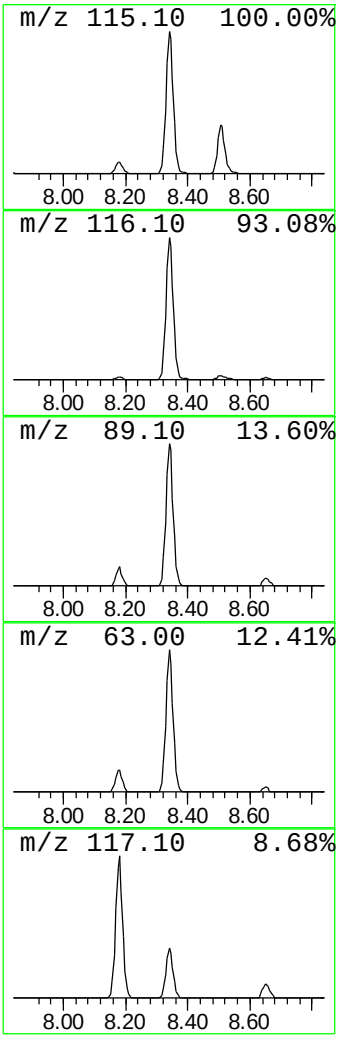
****

Peak Number 2 Indene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.34	39.17 ng/ul	599598	1,4-Dichlorobenzene-d4	7.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Indene	116	C9H8	000095-13-6	95
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	95
4	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005006.D
Acq On : 21 Apr 2016 00:32
Operator : UM/SJ
Sample : H2567-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

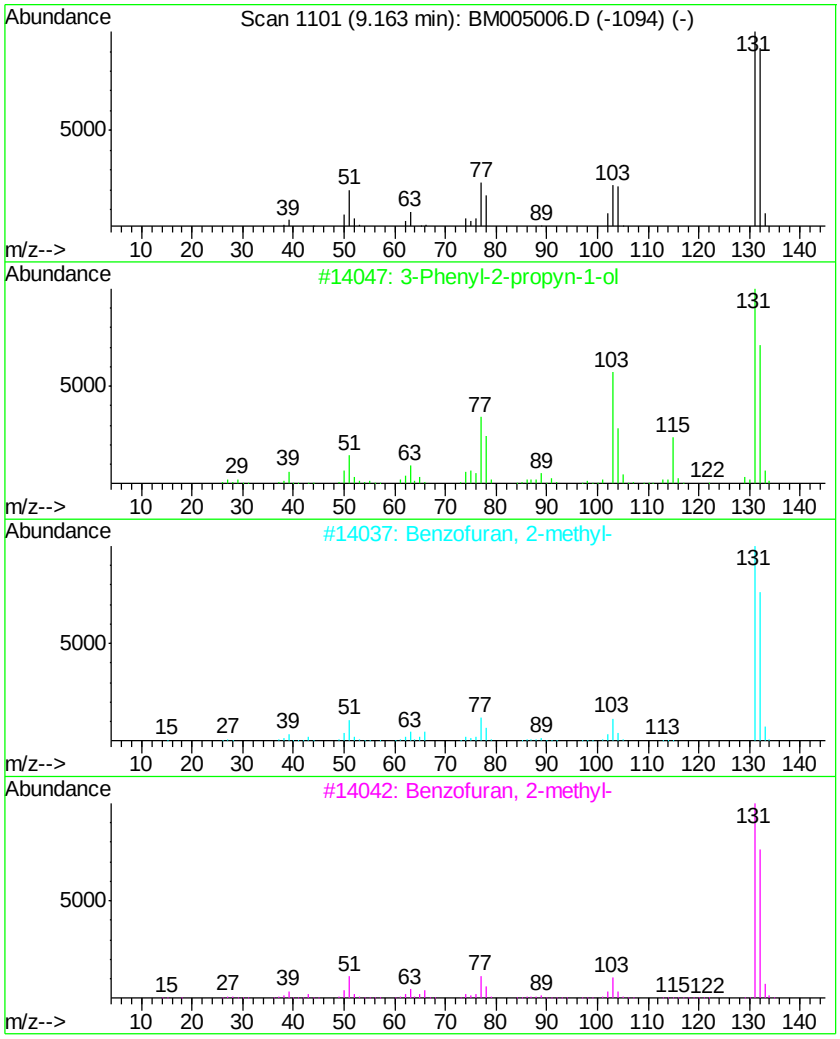
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

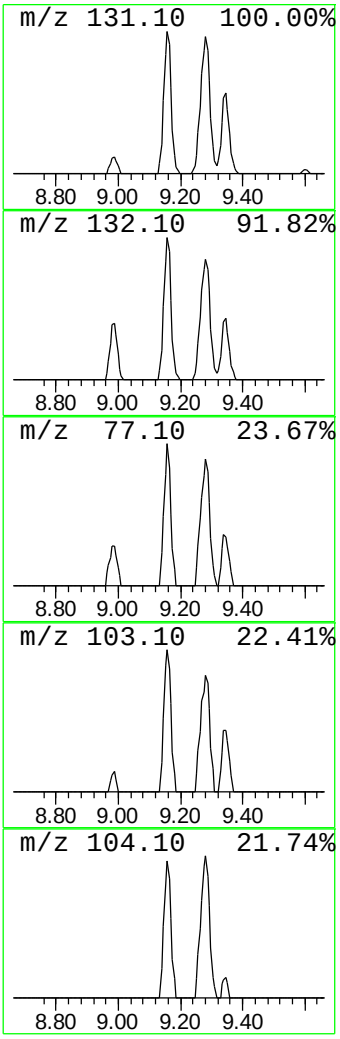
****

Peak Number 3 3-Phenyl-2-propyn-1-ol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.16	7.27 ng/ul	111331	1,4-Dichlorobenzene-d4	7.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	91
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
3	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
4	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	90
5	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	86





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005006.D
Acq On : 21 Apr 2016 00:32
Operator : UM/SJ
Sample : H2567-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

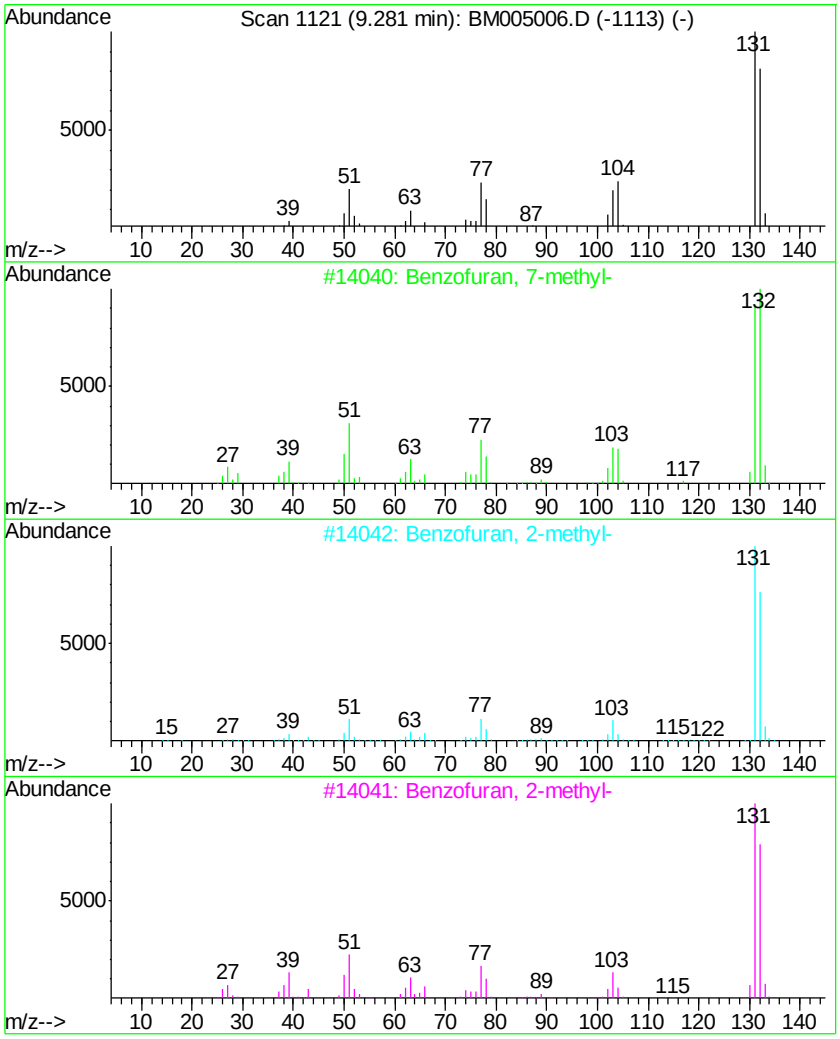
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

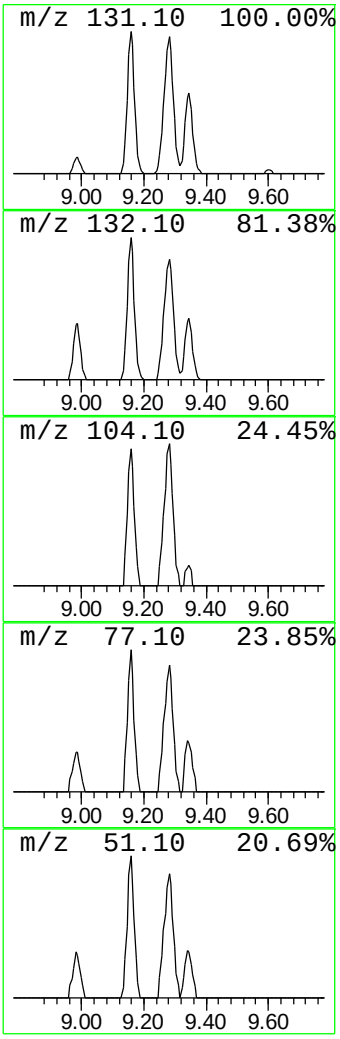
****

Peak Number 4 Benzofuran, 7-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.28	5.44 ng/ul	130363	Naphthalene-d8	10.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	96
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
3	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
4	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
5	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005006.D
Acq On : 21 Apr 2016 00:32
Operator : UM/SJ
Sample : H2567-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

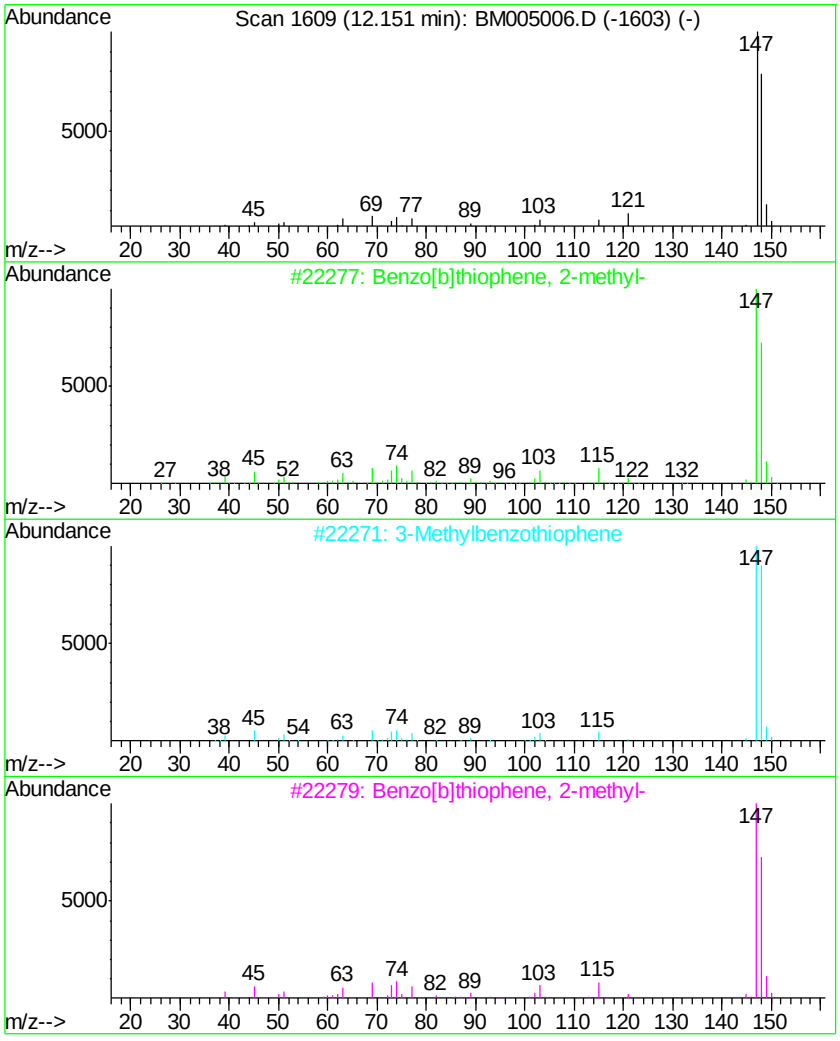
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

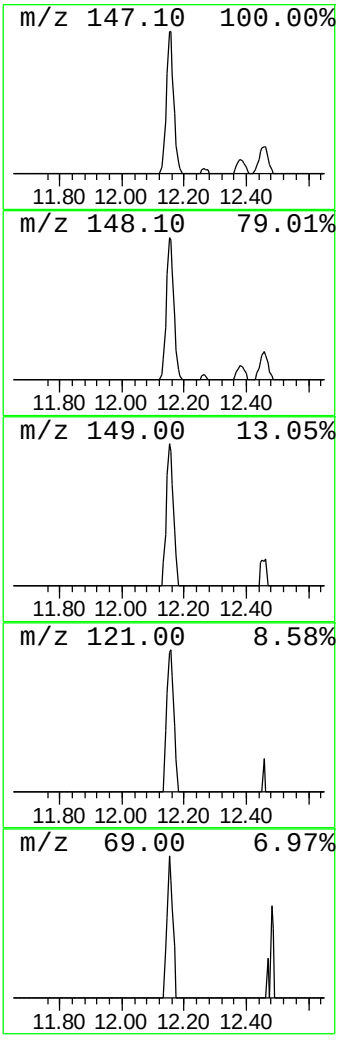
****

Peak Number 5 Benzo[b]thiophene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	3.08 ng/ul	73722	Naphthalene-d8	10.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	91
2	3-Methylbenzothiophene	148	C9H8S	001455-18-1	91
3	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	91
4	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	91
5	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005006.D
Acq On : 21 Apr 2016 00:32
Operator : UM/SJ
Sample : H2567-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

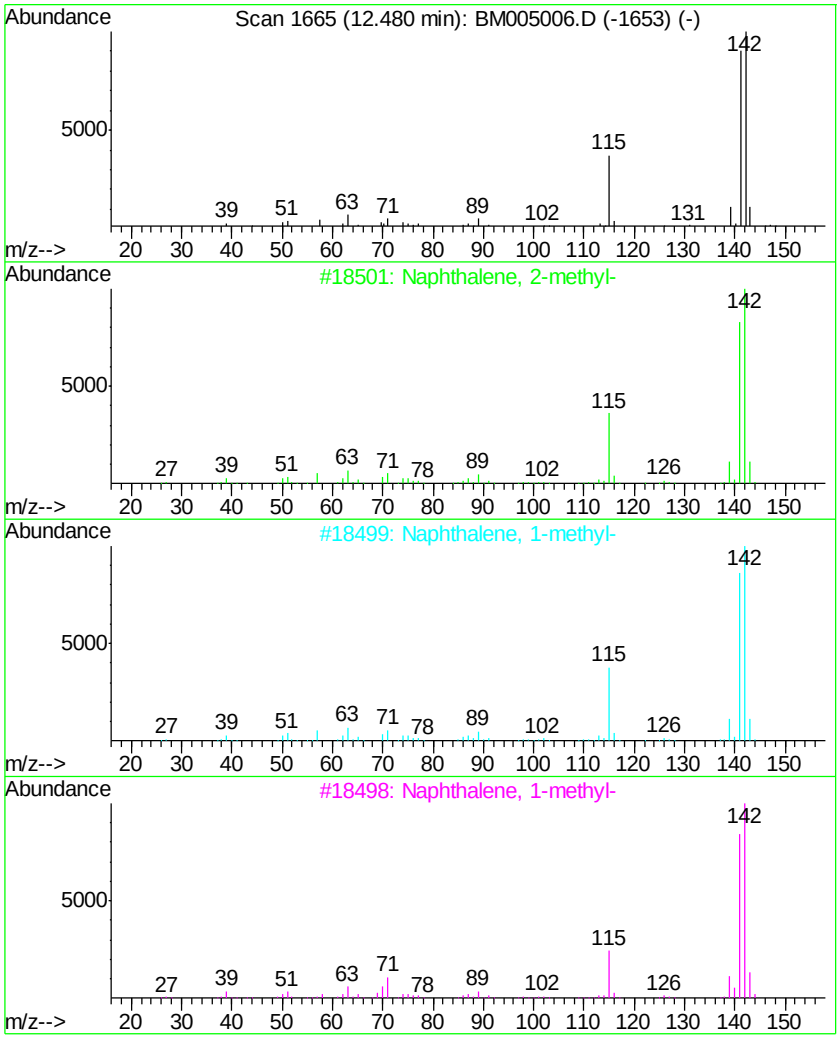
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

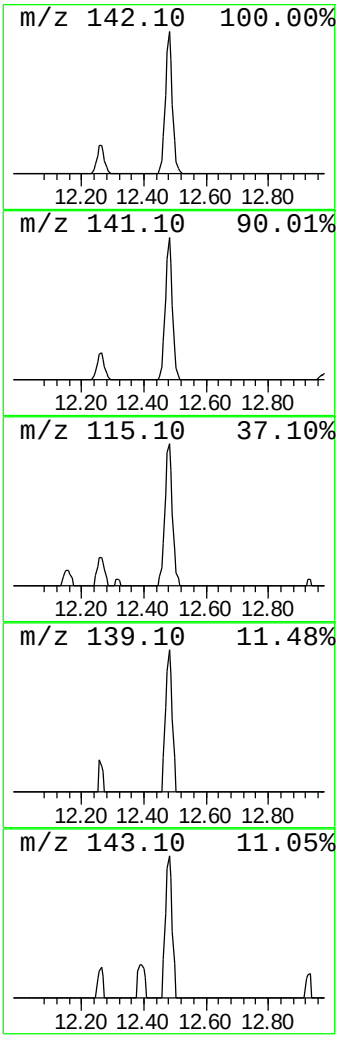
****

Peak Number 6 Naphthalene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	4.94 ng/ul	118275	Naphthalene-d8	10.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
5	Benzocycloheptatriene	142	C11H10	000264-09-5	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005006.D
Acq On : 21 Apr 2016 00:32
Operator : UM/SJ
Sample : H2567-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

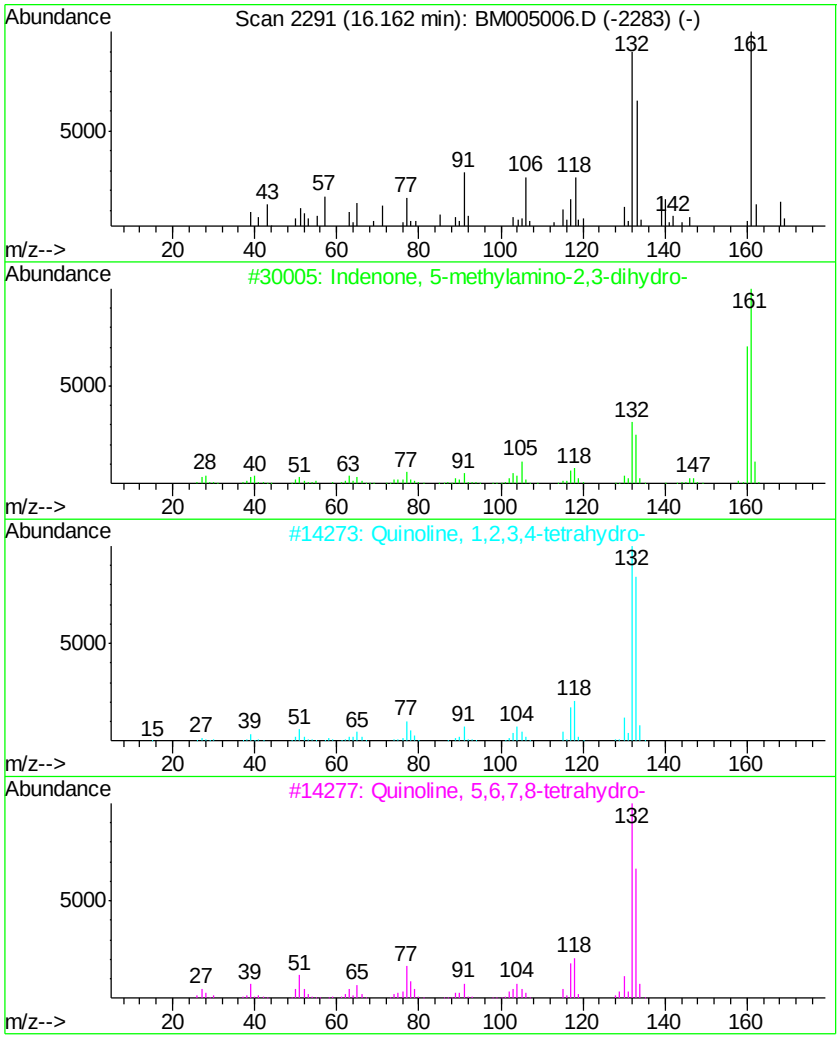
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

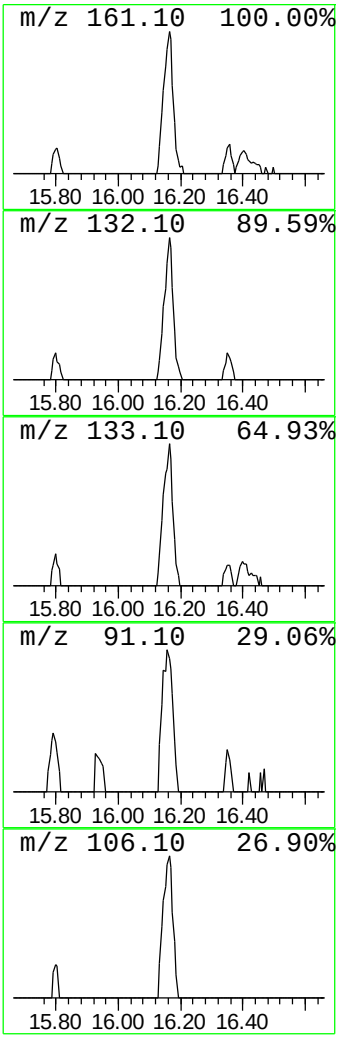
****

Peak Number 7 Indenone, 5-methylamino-2,3... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.16	3.04 ng/ul	107431	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indenone, 5-methylamino-2,3-dihy...	161	C10H11NO	1000153-18-7	50
2	Quinoline, 1,2,3,4-tetrahydro-	133	C9H11N	000635-46-1	50
3	Quinoline, 5,6,7,8-tetrahydro-	133	C9H11N	010500-57-9	50
4	1,4-Dihydrobenzo[e][1,2,4]triaze...	161	C8H7N3O	057711-25-8	47
5	Quinoline, 1,2,3,4-tetrahydro-	133	C9H11N	000635-46-1	46





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005006.D
Acq On : 21 Apr 2016 00:32
Operator : UM/SJ
Sample : H2567-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

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

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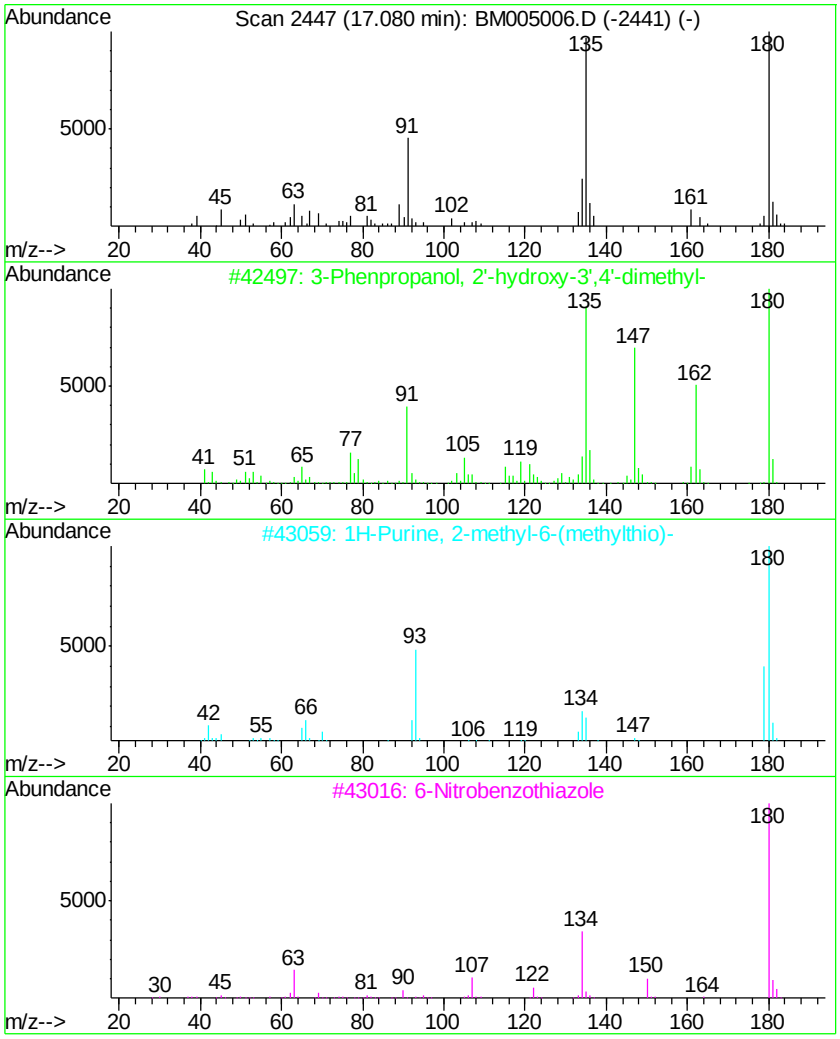
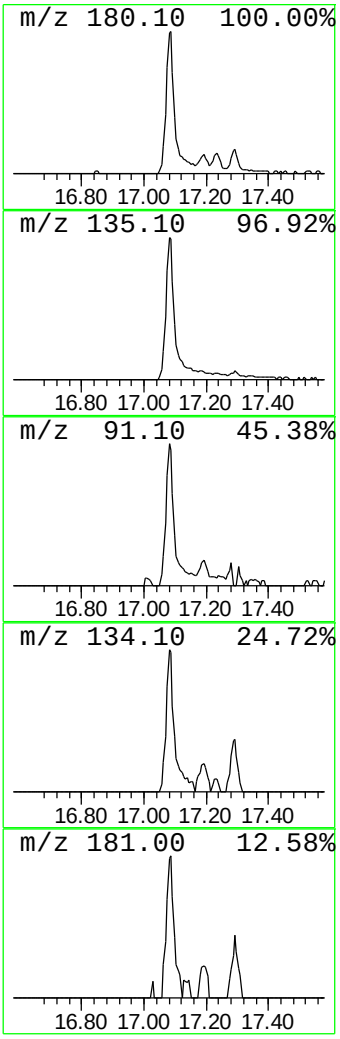
Peak Number 8 3-Phenpropanol, 2'-hydroxy-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.08	4.90 ng/ul	173150	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenpropanol, 2'-hydroxy-3',4'...	180	C11H16O2	040614-18-4	64
2	1H-Purine, 2-methyl-6-(methylthio)-	180	C7H8N4S	001008-47-5	43
3	6-Nitrobenzothiazole	180	C7H4N2O2S	002942-06-5	43
4	6-Nitrobenzothiazole	180	C7H4N2O2S	002942-06-5	38
5	5-Nitrobenz[d]isothiazole	180	C7H4N2O2S	060768-66-3	38





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005006.D
Acq On : 21 Apr 2016 00:32
Operator : UM/SJ
Sample : H2567-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

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

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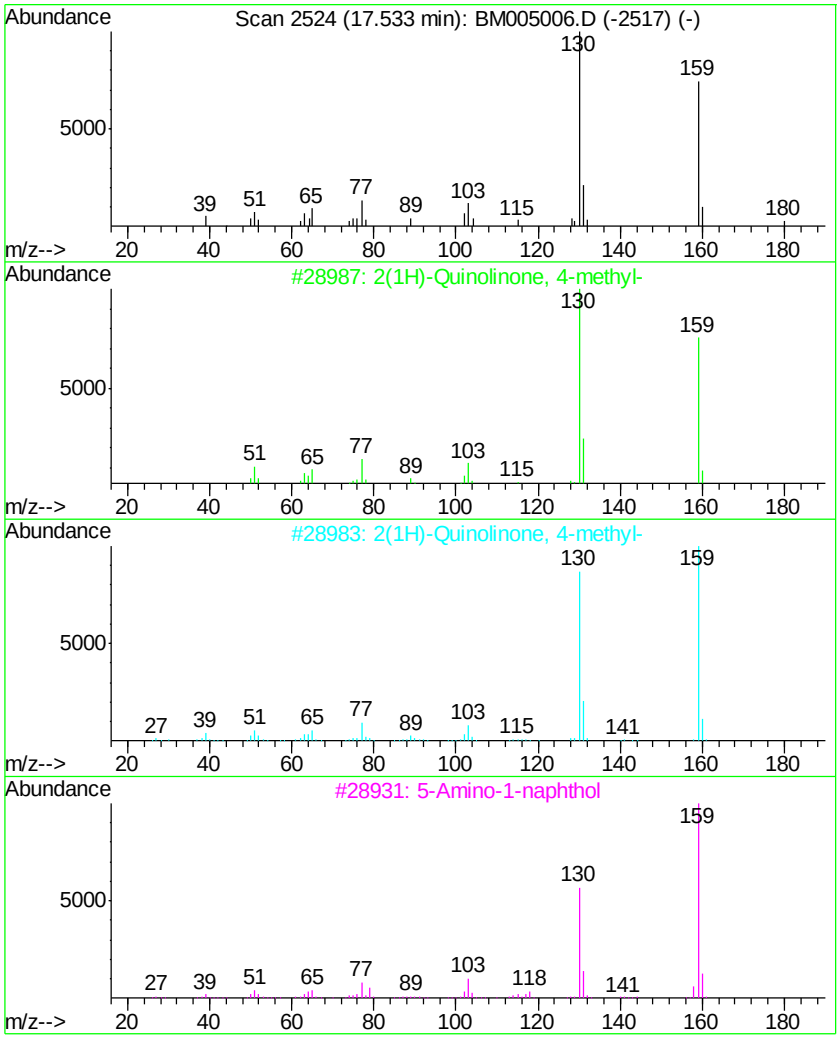
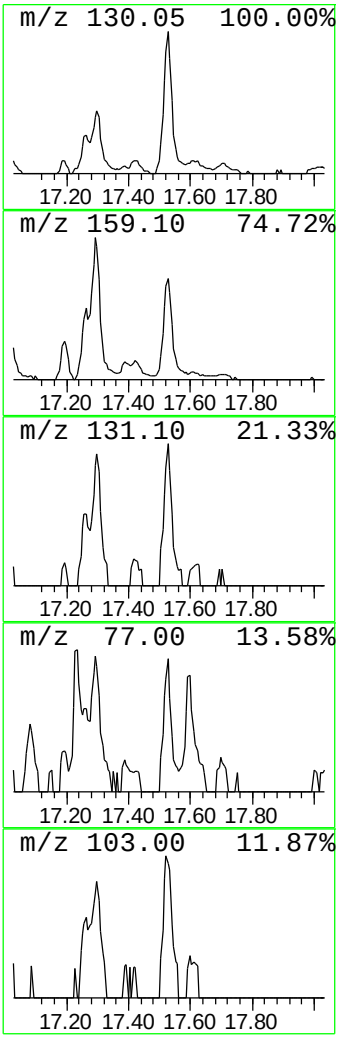
Peak Number 9 2(1H)-Quinolinone, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.53	2.19 ng/ul	77538	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(1H)-Quinolinone, 4-methyl-	159	C10H9NO	000607-66-9	97
2	2(1H)-Quinolinone, 4-methyl-	159	C10H9NO	000607-66-9	91
3	5-Amino-1-naphthol	159	C10H9NO	000083-55-6	72
4	2-Methyl-6-hydroxyquinoline	159	C10H9NO	000613-21-8	64
5	5-Amino-1-naphthol	159	C10H9NO	000083-55-6	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005006.D
Acq On : 21 Apr 2016 00:32
Operator : UM/SJ
Sample : H2567-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.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
Indane	8.18	9.0	ng/ul	137390	1	7.81	306191	20.0
Indene	8.34	39.2	ng/ul	599598	1	7.81	306191	20.0
3-Phenyl-2-propyn...	9.16	7.3	ng/ul	111331	1	7.81	306191	20.0
Benzofuran, 7-met...	9.28	5.4	ng/ul	130363	2	10.60	479172	20.0
Benzo[b]thiophene...	12.15	3.1	ng/ul	73722	2	10.60	479172	20.0
Naphthalene, 1-me...	12.48	4.9	ng/ul	118275	2	10.60	479172	20.0
Indenone, 5-methy...	16.16	3.0	ng/ul	107431	4	17.19	706756	20.0
3-Phenpropanol, 2...	17.08	4.9	ng/ul	173150	4	17.19	706756	20.0
2(1H)-Quinolinone...	17.53	2.2	ng/ul	77538	4	17.19	706756	20.0